

DATA PACKAGE

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2259

ATTENTION : Adam Roy



Laboratory Certification ID # 20012



1) Signature Page	3
2) Case Narrative	4
2.1) VOCMS Group3- Case Narrative	4
2.2) SVOCMS Group3- Case Narrative	6
2.3) Herbicide Group1- Case Narrative	8
2.4) Metals-AES- Case Narrative	10
2.5) Metals-TCLP- Case Narrative	12
3) Conformance/Non Conformance	14
3.1) VOA Conformance/Non Conformance	14
3.2) SEMI-VOA Conformance/Non Conformance	16
3.3) PESTICIDES Conformance/Non Conformance	18
3.4) Metals Conformance/Non Conformance	20
3.5) Metals Conformance/Non Conformance	24
4) Qualifier Page	28
5) QA Checklist	30
6) VOCMS Group3 Data	31
7) SVOCMS Group3 Data	83
8) Herbicide Group1 Data	113
9) Metals-AES Data	201
10) Metals-TCLP Data	263
11) Shipping Document	303
11.1) CHAIN OF CUSTODY	304
11.2) Lab Certificate	305
11.3) Internal COC	306

1
2
3
4
5
6
7
8
9
10
11

Cover Page

Order ID : Q2259

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q2259-01
Q2259-02
Q2259-03
Q2259-04
Q2259-05
Q2259-06

Client Sample Number

OU4-PCS-TC-36-060525
OU4-PCS-TC-36-060525
OU4-PCS-TC-37-060525
OU4-PCS-TC-37-060525
OU4-TS-29-060525
OU4-TS-30-060525

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: 6/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2259

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 06/06/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for VOCMS Group3.

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 VOCMS Group3 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 OU4-PCS-TC-36-060525 [1,2-Dichloroethane-d4 - 55%, Dibromofluoromethane - 63%].

Initially sample OU4-PCS-TC-36-060525 analyzed in sequence vy061025 where End CCAL was not analyzed as a corrective action sample reanalyzed but surrogate failing therefore second run reported in hardcopy and first run provided in Miscellaneous section.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

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.

The Tuning criteria met requirements.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

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

Alliance has analyzed samples for VOCMS Group3 by Method 8260D for Project "Raymark Superfund Site". Alliance is not certified for trans-1,4-dichloro-2-butene and Tetrahydrofuran compounds with NJDEP for 8260D method. for VOCMS Group3 at the time when samples for Project "Raymark Superfund Site" were analyzed.

Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
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 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_____

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2259

Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 06/06/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for SVOCMS Group3.

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 dfThe analysis of SVOCMS Group3 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, WC-5MS [Terphenyl-d14 - 52%]. As per SOW one base surrogate is allowed to fail, therefor no further 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.

The MSD recoveries met the acceptable requirements.

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 met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

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

The not QT review data is reported in the Miscellaneous.

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 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_____

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2259

Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 06/06/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for Herbicide Group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 µm df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 µm df, Catalog #: 11324. The analysis of Herbicide Group1s was based on method 8151A 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.

The Retention Times were acceptable for all samples.

The MS {Q2266-01MS} with File ID: PS030754.D recoveries met the requirements for all compounds except for [Dalapon(1)- 35%],[Dalapon(2)- 121%][Dinoseb(1)- 46%],[Dinoseb(2)- 44%] Due to matrix interference.

The MSD {Q2266-01MSD} with File ID: PS030755.D recoveries met the acceptable requirements except for [Dalapon(1)- 34%],[Dalapon(2)- 124%][Dinoseb(1)- 46%],[Dinoseb(2)- 43%] Due to 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 met the requirements .



E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.
The not QT review data is reported in the Miscellaneous.
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.

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_____

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2259

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 06/06/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for Mercury, Metals ICP-TAL.

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.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (TP10-MHG-WCMS) analysis met criteria for all elements except for Antimony, Barium, Copper, Selenium, Silver and Zinc due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (TP10-MHG-WCMSD) analysis met criteria for all elements except for Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Selenium, Silver, Vanadium and Zinc due to Chemical Interference during Digestion Process.

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

The Calibration met the requirements.

The Serial Dilution (TP10-MHG-WCL) met criteria for all samples except for Iron and Manganese due to sample matrix interference.

E. Additional Comments:

The Post Digest Spike (TP10-MHG-WCA) analysis met criteria for all samples except for Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Selenium, Silver, Vanadium and Zinc 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.



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_____



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2259

Test Name: SPLP Mercury,SPLP MetalGroup3

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 06/06/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for SPLP Mercury,SPLP MetalGroup3.

C. Analytical Techniques:

The analysis of SPLP MetalGroup3 was based on method 6020B, digestion based on method 3050 (soils). The analysis of SPLP Mercury was based on method 7470A and digestion was based on method 7471B (soils).

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate (OU4-PCS-TC-37-060525DUP) analysis met criteria for all samples except for Copper due to matrix interference.

The Matrix Spike (OU4-PCS-TC-37-060525MS) analysis met criteria for all samples except for Barium, Lead, Silver, and Thallium due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (OU4-PCS-TC-37-060525MSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike Duplicate (OU4-PCS-TC-37-060525MSD) analysis met criteria for all samples except for Barium, Lead, Silver and Thallium due to Chemical Interference during Digestion Process.

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:

The Post Digest Spike (OU4-PCS-TC-37-060525A) analysis met criteria for all samples except for Barium, Lead, Mercury and Thallium 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.

Q2019 All samples analyzed with dilution because of SPLP fluid which has concentrated mix of acids can cause problem to the detector if analyzed straight.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

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_____

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259

MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB 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 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 Initial Calibration met the requirements. 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 OU4-PCS-TC-36- 060525 [1,2-Dichloroethane-d4 - 55%, Dibromofluoromethane - 63%]. Initially sample OU4-PCS-TC-36-060525 analyzed in sequence vy061025 where End CCAL was not analyzed as a corrective action sample reanalyzed but surrogate failing therefore second run reported in hardcopy and first run provided in Miscellaneous section.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012; NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

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

Alliance has analyzed samples for VOCMS Group3 by Method 8260D for Project "Raymark Superfund Site". Alliance is not certified for trans-1,4-dichloro-2-butene and Tetrahydrofuran compounds with NJDEP for 8260D method. for VOCMS Group3 at the time when samples for Project "Raymark Superfund Site" were analyzed.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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

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

ORDER ID: Q2259

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 Initial Calibration met the requirements. 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, WC-5MS [Terphenyl-d14 - 52%]. As per SOW one base surrogate is allowed to fail, therefor no further corrective action was taken.			
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 Blank Spike met requirements for all samples.			

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

	NA	NO	YES
9. Internal Standard Area/Retention Time Shift Meet Criteria			✓
Comments:			
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:			

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

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

The not QT review data is reported in the Miscellaneous.

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259

MATRIX: Solid

METHOD: 8151A/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. 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 {Q2266-01MS} with File ID: PS030754.D recoveries met the requirements for all compounds except for [Dalapon(1)- 35%],[Dalapon(2)- 121%][Dinoseb(1)- 46%],[Dinoseb(2)- 44%] Due to matrix interference. The MSD {Q2266-01MSD} with File ID: PS030755.D recoveries met the acceptable requirements except for [Dalapon(1)- 34%],[Dalapon(2)- 124%][Dinoseb(1)- 46%],[Dinoseb(2)- 43%] Due to matrix interference. The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

Date

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259

MATRIX: Solid

METHOD: 6010D,7471B

	NA	NO	YES
1. Calibration Summary met criteria.			✓
2. ICP Interference Check Sample Results Summary Submitted.			✓
3. Serial Dilution Summary (if applicable) Submitted.		✓	
The Serial Dilution (TP10-MHG-WCL) met criteria for all samples except for Iron and Manganese due to sample matrix interference.			
4. Laboratory Control Sample Summary (if applicable) Submitted.			✓
5. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6. Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Matrix Spike (TP10-MHG-WCMS) analysis met criteria for all elements except for Antimony, Barium, Copper, Selenium, Silver and Zinc due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (TP10-MHG-WCMSD) analysis met criteria for all elements except for Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Selenium, Silver, Vanadium and Zinc due to Chemical Interference during Digestion Process.			
7. Sample Duplicate Analysis Met QC Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
8. Digestion Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012; NEW YORK LAB ID#: 11376

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS: The Post Digest Spike (TP10-MHG-WCA) analysis met criteria for all samples except for Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Selenium, Silver, Vanadium and Zinc 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.

QA REVIEW

Date

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259

MATRIX: Water

METHOD: 6020B,7470A

	NA	NO	YES
1. Calibration Summary met criteria.			✓
2. ICP Interference Check Sample Results Summary Submitted.			✓
3. Serial Dilution Summary (if applicable) Submitted.			✓
4. Laboratory Control Sample Summary (if applicable) Submitted.			✓
5. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6. Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Matrix Spike (OU4-PCS-TC-37-060525MS) analysis met criteria for all samples except for Barium, Lead, Silver, and Thallium due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (OU4-PCS-TC-37-060525MSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike Duplicate (OU4-PCS-TC-37-060525MSD) analysis met criteria for all samples except for Barium, Lead, Silver and Thallium due to Chemical Interference during Digestion Process.			
7. Sample Duplicate Analysis Met QC Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Duplicate (OU4-PCS-TC-37-060525DUP) analysis met criteria for all samples except for Copper due to matrix interference.			
8. Digestion Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

ADDITIONAL COMMENTS:

The Post Digest Spike (OU4-PCS-TC-37-060525A) analysis met criteria for all samples except for Barium, Lead, Mercury and Thallium 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.

Q2019 All samples analyzed with dilution because of SPLP fluid which has concentrated mix of acids can cause problem to the detector if analyzed straight.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

QA REVIEW

Date

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259

MATRIX: Solid

METHOD: 6010D,7471B

	NA	NO	YES
1. Calibration Summary met criteria.			✓
2. ICP Interference Check Sample Results Summary Submitted.			✓
3. Serial Dilution Summary (if applicable) Submitted.		✓	
The Serial Dilution (TP10-MHG-WCL) met criteria for all samples except for Iron and Manganese due to sample matrix interference.			
4. Laboratory Control Sample Summary (if applicable) Submitted.			✓
5. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6. Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Matrix Spike (TP10-MHG-WCMS) analysis met criteria for all elements except for Antimony, Barium, Copper, Selenium, Silver and Zinc due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (TP10-MHG-WCMSD) analysis met criteria for all elements except for Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Selenium, Silver, Vanadium and Zinc due to Chemical Interference during Digestion Process.			
7. Sample Duplicate Analysis Met QC Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
8. Digestion Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS: The Post Digest Spike (TP10-MHG-WCA) analysis met criteria for all samples except for Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Selenium, Silver, Vanadium and Zinc 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.

QA REVIEW

Date

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259

MATRIX: Water

METHOD: 6020B,7470A

	NA	NO	YES
1. Calibration Summary met criteria.			✓
2. ICP Interference Check Sample Results Summary Submitted.			✓
3. Serial Dilution Summary (if applicable) Submitted.			✓
4. Laboratory Control Sample Summary (if applicable) Submitted.			✓
5. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6. Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Matrix Spike (OU4-PCS-TC-37-060525MS) analysis met criteria for all samples except for Barium, Lead, Silver, and Thallium due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (OU4-PCS-TC-37-060525MSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike Duplicate (OU4-PCS-TC-37-060525MSD) analysis met criteria for all samples except for Barium, Lead, Silver and Thallium due to Chemical Interference during Digestion Process.			
7. Sample Duplicate Analysis Met QC Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Duplicate (OU4-PCS-TC-37-060525DUP) analysis met criteria for all samples except for Copper due to matrix interference.			
8. Digestion Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

ADDITIONAL COMMENTS:

The Post Digest Spike (OU4-PCS-TC-37-060525A) analysis met criteria for all samples except for Barium, Lead, Mercury and Thallium 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.

Q2019 All samples analyzed with dilution because of SPLP fluid which has concentrated mix of acids can cause problem to the detector if analyzed straight.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

QA REVIEW

Date

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

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2259

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 Custody

✓

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: SOHIL JODHANI

Date: 06/20/2025

LAB CHRONICLE

OrderID:	Q2259	OrderDate:	6/6/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	OU4-PCS-TC-36-0605 25	SOIL			06/05/25			06/06/25
			VOCMS Group3	8260D			06/11/25	
Q2259-03	OU4-PCS-TC-37-0605 25	SOIL			06/05/25			06/06/25
			VOCMS Group3	8260D			06/10/25	
			VOCMS Group3	8260D			06/11/25	

Hit Summary Sheet
SW-846

SDG No.: Q2259
Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	OU4-PCS-TC-36-060525							
Q2259-01	OU4-PCS-TC-36-06 SOIL		unknown2.421	* 11.9	J	0	0	ug/Kg
Q2259-01	OU4-PCS-TC-36-06 SOIL		unknown3.836	* 8.10	J	0	0	ug/Kg
Q2259-01	OU4-PCS-TC-36-06 SOIL		unknown6.396	* 32.5	J	0	0	ug/Kg
Q2259-01	OU4-PCS-TC-36-06 SOIL		Dimethyl ether	* 91.3	J	0	0	ug/Kg
Q2259-01	OU4-PCS-TC-36-06 SOIL		Boric acid, trimethyl ester	* 8.30	J	0	0	ug/Kg
Total Tics :						152		
Total Concentration:						152		

A

B

C

D

E

F

G



SAMPLE DATA

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: OU4-PCS-TC-36-060525
Lab Sample ID: Q2259-01
Analytical Method: 8260D
Sample Wt/Vol: 4.7 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 06/05/25
Date Received: 06/06/25
SDG No.: Q2259
Matrix: SOIL
% Solid: 94.3
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.30	U	1	1.30	5.60	ug/Kg	06/11/25 12:24	VY061125
74-87-3	Chloromethane	1.30	U	1	1.30	5.60	ug/Kg	06/11/25 12:24	VY061125
75-01-4	Vinyl Chloride	0.89	U	1	0.89	5.60	ug/Kg	06/11/25 12:24	VY061125
74-83-9	Bromomethane	1.20	U	1	1.20	5.60	ug/Kg	06/11/25 12:24	VY061125
75-00-3	Chloroethane	1.40	U	1	1.40	5.60	ug/Kg	06/11/25 12:24	VY061125
109-99-9	Tetrahydrofuran	5.30	U	1	5.30	28.2	ug/Kg	06/11/25 12:24	VY061125
75-69-4	Trichlorofluoromethane	1.40	U	1	1.40	5.60	ug/Kg	06/11/25 12:24	VY061125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1	1.20	5.60	ug/Kg	06/11/25 12:24	VY061125
75-35-4	1,1-Dichloroethene	1.10	U	1	1.10	5.60	ug/Kg	06/11/25 12:24	VY061125
107-13-1	Acrylonitrile	5.60	U	1	5.60	28.2	ug/Kg	06/11/25 12:24	VY061125
67-64-1	Acetone	5.30	U	1	5.30	28.2	ug/Kg	06/11/25 12:24	VY061125
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.60	ug/Kg	06/11/25 12:24	VY061125
1634-04-4	Methyl tert-butyl Ether	0.82	U	1	0.82	5.60	ug/Kg	06/11/25 12:24	VY061125
75-09-2	Methylene Chloride	4.00	U	1	4.00	11.3	ug/Kg	06/11/25 12:24	VY061125
156-60-5	trans-1,2-Dichloroethene	0.97	U	1	0.97	5.60	ug/Kg	06/11/25 12:24	VY061125
75-34-3	1,1-Dichloroethane	0.90	U	1	0.90	5.60	ug/Kg	06/11/25 12:24	VY061125
78-93-3	2-Butanone	7.40	U	1	7.40	28.2	ug/Kg	06/11/25 12:24	VY061125
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.60	ug/Kg	06/11/25 12:24	VY061125
594-20-7	2,2-Dichloropropane	1.40	U	1	1.40	5.60	ug/Kg	06/11/25 12:24	VY061125
156-59-2	cis-1,2-Dichloroethene	0.85	U	1	0.85	5.60	ug/Kg	06/11/25 12:24	VY061125
67-66-3	Chloroform	0.95	U	1	0.95	5.60	ug/Kg	06/11/25 12:24	VY061125
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.60	ug/Kg	06/11/25 12:24	VY061125
563-58-6	1,1-Dichloropropene	0.98	U	1	0.98	5.60	ug/Kg	06/11/25 12:24	VY061125
71-43-2	Benzene	0.89	U	1	0.89	5.60	ug/Kg	06/11/25 12:24	VY061125
107-06-2	1,2-Dichloroethane	0.89	U	1	0.89	5.60	ug/Kg	06/11/25 12:24	VY061125
79-01-6	Trichloroethene	0.91	U	1	0.91	5.60	ug/Kg	06/11/25 12:24	VY061125
78-87-5	1,2-Dichloropropane	1.00	U	1	1.00	5.60	ug/Kg	06/11/25 12:24	VY061125
74-95-3	Dibromomethane	1.00	U	1	1.00	5.60	ug/Kg	06/11/25 12:24	VY061125
75-27-4	Bromodichloromethane	0.88	U	1	0.88	5.60	ug/Kg	06/11/25 12:24	VY061125
108-10-1	4-Methyl-2-Pentanone	4.00	U	1	4.00	28.2	ug/Kg	06/11/25 12:24	VY061125
108-88-3	Toluene	0.88	U	1	0.88	5.60	ug/Kg	06/11/25 12:24	VY061125
10061-02-6	t-1,3-Dichloropropene	0.73	U	1	0.73	5.60	ug/Kg	06/11/25 12:24	VY061125
10061-01-5	cis-1,3-Dichloropropene	0.70	U	1	0.70	5.60	ug/Kg	06/11/25 12:24	VY061125
79-00-5	1,1,2-Trichloroethane	1.00	U	1	1.00	5.60	ug/Kg	06/11/25 12:24	VY061125
142-28-9	1,3-Dichloropropane	0.77	U	1	0.77	5.60	ug/Kg	06/11/25 12:24	VY061125
591-78-6	2-Hexanone	4.20	U	1	4.20	28.2	ug/Kg	06/11/25 12:24	VY061125
124-48-1	Dibromochloromethane	0.98	U	1	0.98	5.60	ug/Kg	06/11/25 12:24	VY061125
106-93-4	1,2-Dibromoethane	0.99	U	1	0.99	5.60	ug/Kg	06/11/25 12:24	VY061125
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.60	ug/Kg	06/11/25 12:24	VY061125
108-90-7	Chlorobenzene	1.00	U	1	1.00	5.60	ug/Kg	06/11/25 12:24	VY061125
630-20-6	1,1,1,2-Tetrachloroethane	0.87	U	1	0.87	5.60	ug/Kg	06/11/25 12:24	VY061125
100-41-4	Ethyl Benzene	0.76	U	1	0.76	5.60	ug/Kg	06/11/25 12:24	VY061125
179601-23-1	m/p-Xylenes	1.40	U	1	1.40	11.3	ug/Kg	06/11/25 12:24	VY061125

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: OU4-PCS-TC-36-060525
Lab Sample ID: Q2259-01
Analytical Method: 8260D
Sample Wt/Vol: 4.7 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 06/05/25
Date Received: 06/06/25
SDG No.: Q2259
Matrix: SOIL
% Solid: 94.3
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	2.33	U	1	2.33	16.9	ug/Kg	06/11/25 12:24	VY061125
95-47-6	o-Xylene	0.93	U	1	0.93	5.60	ug/Kg	06/11/25 12:24	VY061125
100-42-5	Styrene	0.80	U	1	0.80	5.60	ug/Kg	06/11/25 12:24	VY061125
75-25-2	Bromoform	0.97	U	1	0.97	5.60	ug/Kg	06/11/25 12:24	VY061125
98-82-8	Isopropylbenzene	0.88	U	1	0.88	5.60	ug/Kg	06/11/25 12:24	VY061125
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1	1.40	5.60	ug/Kg	06/11/25 12:24	VY061125
96-18-4	1,2,3-Trichloropropane	1.40	U	1	1.40	5.60	ug/Kg	06/11/25 12:24	VY061125
108-86-1	Bromobenzene	1.40	U	1	1.40	5.60	ug/Kg	06/11/25 12:24	VY061125
103-65-1	n-propylbenzene	0.82	U	1	0.82	5.60	ug/Kg	06/11/25 12:24	VY061125
95-49-8	2-Chlorotoluene	0.77	U	1	0.77	5.60	ug/Kg	06/11/25 12:24	VY061125
108-67-8	1,3,5-Trimethylbenzene	0.93	U	1	0.93	5.60	ug/Kg	06/11/25 12:24	VY061125
106-43-4	4-Chlorotoluene	1.40	U	1	1.40	5.60	ug/Kg	06/11/25 12:24	VY061125
98-06-6	tert-Butylbenzene	0.76	U	1	0.76	5.60	ug/Kg	06/11/25 12:24	VY061125
95-63-6	1,2,4-Trimethylbenzene	0.72	U	1	0.72	5.60	ug/Kg	06/11/25 12:24	VY061125
135-98-8	sec-Butylbenzene	0.74	U	1	0.74	5.60	ug/Kg	06/11/25 12:24	VY061125
99-87-6	p-Isopropyltoluene	0.70	U	1	0.70	5.60	ug/Kg	06/11/25 12:24	VY061125
541-73-1	1,3-Dichlorobenzene	1.90	U	1	1.90	5.60	ug/Kg	06/11/25 12:24	VY061125
106-46-7	1,4-Dichlorobenzene	1.80	U	1	1.80	5.60	ug/Kg	06/11/25 12:24	VY061125
104-51-8	n-Butylbenzene	1.60	U	1	1.60	5.60	ug/Kg	06/11/25 12:24	VY061125
95-50-1	1,2-Dichlorobenzene	1.60	U	1	1.60	5.60	ug/Kg	06/11/25 12:24	VY061125
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	1	2.10	5.60	ug/Kg	06/11/25 12:24	VY061125
120-82-1	1,2,4-Trichlorobenzene	3.40	U	1	3.40	5.60	ug/Kg	06/11/25 12:24	VY061125
87-68-3	Hexachlorobutadiene	2.10	U	1	2.10	5.60	ug/Kg	06/11/25 12:24	VY061125
87-61-6	1,2,3-Trichlorobenzene	3.60	U	1	3.60	5.60	ug/Kg	06/11/25 12:24	VY061125
110-57-6	trans-1,4-Dichloro-2-butene	1.20	U	1	1.20	5.60	ug/Kg	06/11/25 12:24	VY061125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	27.4	*	63 - 155	55%	SPK: 50
1868-53-7	Dibromofluoromethane	31.3	*	70 - 134	63%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		17 - 146	92%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	167000
540-36-3	1,4-Difluorobenzene	221000
3114-55-4	Chlorobenzene-d5	215000
3855-82-1	1,4-Dichlorobenzene-d4	66000

TENTATIVE IDENTIFIED COMPOUNDS

000115-10-6	Dimethyl ether	91.3	J	2.00	ug/Kg
	unknown2.421	11.9	J	2.42	ug/Kg
000121-43-7	Boric acid, trimethyl ester	8.30	J	3.46	ug/Kg
	unknown3.836	8.10	J	3.84	ug/Kg
	unknown6.396	32.5	J	6.40	ug/Kg
Total VOC TITotal VOC TICs		152	J	18.1	ug/Kg

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: OU4-PCS-TC-36-060525
Lab Sample ID: Q2259-01
Analytical Method: 8260D
Sample Wt/Vol: 4.7 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 06/05/25
Date Received: 06/06/25
SDG No.: Q2259
Matrix: SOIL
% Solid: 94.3
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
------------	-----------	-------	------	----	-----	------------	-------	-----------	---------

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: OU4-PCS-TC-37-060525
Lab Sample ID: Q2259-03
Analytical Method: 8260D
Sample Wt/Vol: 5.73 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 06/05/25
Date Received: 06/06/25
SDG No.: Q2259
Matrix: SOIL
% Solid: 94.3
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
74-87-3	Chloromethane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
75-01-4	Vinyl Chloride	0.73	U	1	0.73	4.60	ug/Kg	06/10/25 14:19	VY061025
74-83-9	Bromomethane	0.99	U	1	0.99	4.60	ug/Kg	06/10/25 14:19	VY061025
75-00-3	Chloroethane	1.20	U	1	1.20	4.60	ug/Kg	06/10/25 14:19	VY061025
109-99-9	Tetrahydrofuran	4.30	UQ	1	4.30	23.1	ug/Kg	06/10/25 14:19	VY061025
75-69-4	Trichlorofluoromethane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	1	0.98	4.60	ug/Kg	06/10/25 14:19	VY061025
75-35-4	1,1-Dichloroethene	0.93	U	1	0.93	4.60	ug/Kg	06/10/25 14:19	VY061025
107-13-1	Acrylonitrile	4.60	U	1	4.60	23.1	ug/Kg	06/10/25 14:19	VY061025
67-64-1	Acetone	4.40	U	1	4.40	23.1	ug/Kg	06/10/25 14:19	VY061025
75-15-0	Carbon Disulfide	0.98	U	1	0.98	4.60	ug/Kg	06/10/25 14:19	VY061025
1634-04-4	Methyl tert-butyl Ether	0.68	U	1	0.68	4.60	ug/Kg	06/10/25 14:19	VY061025
75-09-2	Methylene Chloride	3.30	U	1	3.30	9.30	ug/Kg	06/10/25 14:19	VY061025
156-60-5	trans-1,2-Dichloroethene	0.80	U	1	0.80	4.60	ug/Kg	06/10/25 14:19	VY061025
75-34-3	1,1-Dichloroethane	0.74	U	1	0.74	4.60	ug/Kg	06/10/25 14:19	VY061025
78-93-3	2-Butanone	6.10	U	1	6.10	23.1	ug/Kg	06/10/25 14:19	VY061025
56-23-5	Carbon Tetrachloride	0.90	U	1	0.90	4.60	ug/Kg	06/10/25 14:19	VY061025
594-20-7	2,2-Dichloropropane	1.20	U	1	1.20	4.60	ug/Kg	06/10/25 14:19	VY061025
156-59-2	cis-1,2-Dichloroethene	0.69	U	1	0.69	4.60	ug/Kg	06/10/25 14:19	VY061025
67-66-3	Chloroform	0.78	U	1	0.78	4.60	ug/Kg	06/10/25 14:19	VY061025
71-55-6	1,1,1-Trichloroethane	0.86	U	1	0.86	4.60	ug/Kg	06/10/25 14:19	VY061025
563-58-6	1,1-Dichloropropene	0.81	U	1	0.81	4.60	ug/Kg	06/10/25 14:19	VY061025
71-43-2	Benzene	0.73	U	1	0.73	4.60	ug/Kg	06/10/25 14:19	VY061025
107-06-2	1,2-Dichloroethane	0.73	U	1	0.73	4.60	ug/Kg	06/10/25 14:19	VY061025
79-01-6	Trichloroethene	0.75	U	1	0.75	4.60	ug/Kg	06/10/25 14:19	VY061025
78-87-5	1,2-Dichloropropane	0.84	U	1	0.84	4.60	ug/Kg	06/10/25 14:19	VY061025
74-95-3	Dibromomethane	0.82	U	1	0.82	4.60	ug/Kg	06/10/25 14:19	VY061025
75-27-4	Bromodichloromethane	0.72	U	1	0.72	4.60	ug/Kg	06/10/25 14:19	VY061025
108-10-1	4-Methyl-2-Pentanone	3.30	U	1	3.30	23.1	ug/Kg	06/10/25 14:19	VY061025
108-88-3	Toluene	0.72	U	1	0.72	4.60	ug/Kg	06/10/25 14:19	VY061025
10061-02-6	t-1,3-Dichloropropene	0.60	U	1	0.60	4.60	ug/Kg	06/10/25 14:19	VY061025
10061-01-5	cis-1,3-Dichloropropene	0.57	U	1	0.57	4.60	ug/Kg	06/10/25 14:19	VY061025
79-00-5	1,1,2-Trichloroethane	0.85	U	1	0.85	4.60	ug/Kg	06/10/25 14:19	VY061025
142-28-9	1,3-Dichloropropane	0.63	U	1	0.63	4.60	ug/Kg	06/10/25 14:19	VY061025
591-78-6	2-Hexanone	3.40	U	1	3.40	23.1	ug/Kg	06/10/25 14:19	VY061025
124-48-1	Dibromochloromethane	0.81	U	1	0.81	4.60	ug/Kg	06/10/25 14:19	VY061025
106-93-4	1,2-Dibromoethane	0.81	U	1	0.81	4.60	ug/Kg	06/10/25 14:19	VY061025
127-18-4	Tetrachloroethene	0.97	U	1	0.97	4.60	ug/Kg	06/10/25 14:19	VY061025
108-90-7	Chlorobenzene	0.84	U	1	0.84	4.60	ug/Kg	06/10/25 14:19	VY061025
630-20-6	1,1,1,2-Tetrachloroethane	0.71	U	1	0.71	4.60	ug/Kg	06/10/25 14:19	VY061025
100-41-4	Ethyl Benzene	0.62	U	1	0.62	4.60	ug/Kg	06/10/25 14:19	VY061025
179601-23-1	m/p-Xylenes	1.10	U	1	1.10	9.30	ug/Kg	06/10/25 14:19	VY061025

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: OU4-PCS-TC-37-060525
Lab Sample ID: Q2259-03
Analytical Method: 8260D
Sample Wt/Vol: 5.73 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 06/05/25
Date Received: 06/06/25
SDG No.: Q2259
Matrix: SOIL
% Solid: 94.3
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	1.86	U	1	1.86	13.9	ug/Kg	06/10/25 14:19	VY061025
95-47-6	o-Xylene	0.76	U	1	0.76	4.60	ug/Kg	06/10/25 14:19	VY061025
100-42-5	Styrene	0.66	U	1	0.66	4.60	ug/Kg	06/10/25 14:19	VY061025
75-25-2	Bromoform	0.80	U	1	0.80	4.60	ug/Kg	06/10/25 14:19	VY061025
98-82-8	Isopropylbenzene	0.72	U	1	0.72	4.60	ug/Kg	06/10/25 14:19	VY061025
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
96-18-4	1,2,3-Trichloropropane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
108-86-1	Bromobenzene	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
103-65-1	n-propylbenzene	0.68	U	1	0.68	4.60	ug/Kg	06/10/25 14:19	VY061025
95-49-8	2-Chlorotoluene	0.63	U	1	0.63	4.60	ug/Kg	06/10/25 14:19	VY061025
108-67-8	1,3,5-Trimethylbenzene	0.76	U	1	0.76	4.60	ug/Kg	06/10/25 14:19	VY061025
106-43-4	4-Chlorotoluene	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
98-06-6	tert-Butylbenzene	0.62	U	1	0.62	4.60	ug/Kg	06/10/25 14:19	VY061025
95-63-6	1,2,4-Trimethylbenzene	0.59	U	1	0.59	4.60	ug/Kg	06/10/25 14:19	VY061025
135-98-8	sec-Butylbenzene	0.61	U	1	0.61	4.60	ug/Kg	06/10/25 14:19	VY061025
99-87-6	p-Isopropyltoluene	0.57	U	1	0.57	4.60	ug/Kg	06/10/25 14:19	VY061025
541-73-1	1,3-Dichlorobenzene	1.60	U	1	1.60	4.60	ug/Kg	06/10/25 14:19	VY061025
106-46-7	1,4-Dichlorobenzene	1.40	U	1	1.40	4.60	ug/Kg	06/10/25 14:19	VY061025
104-51-8	n-Butylbenzene	1.30	U	1	1.30	4.60	ug/Kg	06/10/25 14:19	VY061025
95-50-1	1,2-Dichlorobenzene	1.30	U	1	1.30	4.60	ug/Kg	06/10/25 14:19	VY061025
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1	1.70	4.60	ug/Kg	06/10/25 14:19	VY061025
120-82-1	1,2,4-Trichlorobenzene	2.70	U	1	2.70	4.60	ug/Kg	06/10/25 14:19	VY061025
87-68-3	Hexachlorobutadiene	1.80	U	1	1.80	4.60	ug/Kg	06/10/25 14:19	VY061025
87-61-6	1,2,3-Trichlorobenzene	2.90	U	1	2.90	4.60	ug/Kg	06/10/25 14:19	VY061025
110-57-6	trans-1,4-Dichloro-2-butene	0.98	U	1	0.98	4.60	ug/Kg	06/10/25 14:19	VY061025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	57.1		63 - 155	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		17 - 146	87%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	169000
540-36-3	1,4-Difluorobenzene	332000
3114-55-4	Chlorobenzene-d5	278000
3855-82-1	1,4-Dichlorobenzene-d4	99900

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: OU4-PCS-TC-37-060525
Lab Sample ID: Q2259-03
Analytical Method: 8260D
Sample Wt/Vol: 4.9 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 06/05/25
Date Received: 06/06/25
SDG No.: Q2259
Matrix: SOIL
% Solid: 94.3
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.20	U	1	1.20	5.40	ug/Kg	06/11/25 12:01	VY061125
74-87-3	Chloromethane	1.20	U	1	1.20	5.40	ug/Kg	06/11/25 12:01	VY061125
75-01-4	Vinyl Chloride	0.85	U	1	0.85	5.40	ug/Kg	06/11/25 12:01	VY061125
74-83-9	Bromomethane	1.20	U	1	1.20	5.40	ug/Kg	06/11/25 12:01	VY061125
75-00-3	Chloroethane	1.40	U	1	1.40	5.40	ug/Kg	06/11/25 12:01	VY061125
109-99-9	Tetrahydrofuran	5.10	U	1	5.10	27.1	ug/Kg	06/11/25 12:01	VY061125
75-69-4	Trichlorofluoromethane	1.30	U	1	1.30	5.40	ug/Kg	06/11/25 12:01	VY061125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.40	ug/Kg	06/11/25 12:01	VY061125
75-35-4	1,1-Dichloroethene	1.10	U	1	1.10	5.40	ug/Kg	06/11/25 12:01	VY061125
107-13-1	Acrylonitrile	5.40	U	1	5.40	27.1	ug/Kg	06/11/25 12:01	VY061125
67-64-1	Acetone	5.10	U	1	5.10	27.1	ug/Kg	06/11/25 12:01	VY061125
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.40	ug/Kg	06/11/25 12:01	VY061125
1634-04-4	Methyl tert-butyl Ether	0.79	U	1	0.79	5.40	ug/Kg	06/11/25 12:01	VY061125
75-09-2	Methylene Chloride	3.80	U	1	3.80	10.8	ug/Kg	06/11/25 12:01	VY061125
156-60-5	trans-1,2-Dichloroethene	0.93	U	1	0.93	5.40	ug/Kg	06/11/25 12:01	VY061125
75-34-3	1,1-Dichloroethane	0.87	U	1	0.87	5.40	ug/Kg	06/11/25 12:01	VY061125
78-93-3	2-Butanone	7.10	U	1	7.10	27.1	ug/Kg	06/11/25 12:01	VY061125
56-23-5	Carbon Tetrachloride	1.00	U	1	1.00	5.40	ug/Kg	06/11/25 12:01	VY061125
594-20-7	2,2-Dichloropropane	1.40	U	1	1.40	5.40	ug/Kg	06/11/25 12:01	VY061125
156-59-2	cis-1,2-Dichloroethene	0.81	U	1	0.81	5.40	ug/Kg	06/11/25 12:01	VY061125
67-66-3	Chloroform	0.91	U	1	0.91	5.40	ug/Kg	06/11/25 12:01	VY061125
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.40	ug/Kg	06/11/25 12:01	VY061125
563-58-6	1,1-Dichloropropene	0.94	U	1	0.94	5.40	ug/Kg	06/11/25 12:01	VY061125
71-43-2	Benzene	0.85	U	1	0.85	5.40	ug/Kg	06/11/25 12:01	VY061125
107-06-2	1,2-Dichloroethane	0.85	U	1	0.85	5.40	ug/Kg	06/11/25 12:01	VY061125
79-01-6	Trichloroethene	0.88	U	1	0.88	5.40	ug/Kg	06/11/25 12:01	VY061125
78-87-5	1,2-Dichloropropane	0.98	U	1	0.98	5.40	ug/Kg	06/11/25 12:01	VY061125
74-95-3	Dibromomethane	0.96	U	1	0.96	5.40	ug/Kg	06/11/25 12:01	VY061125
75-27-4	Bromodichloromethane	0.84	U	1	0.84	5.40	ug/Kg	06/11/25 12:01	VY061125
108-10-1	4-Methyl-2-Pentanone	3.90	U	1	3.90	27.1	ug/Kg	06/11/25 12:01	VY061125
108-88-3	Toluene	0.84	U	1	0.84	5.40	ug/Kg	06/11/25 12:01	VY061125
10061-02-6	t-1,3-Dichloropropene	0.70	U	1	0.70	5.40	ug/Kg	06/11/25 12:01	VY061125
10061-01-5	cis-1,3-Dichloropropene	0.67	U	1	0.67	5.40	ug/Kg	06/11/25 12:01	VY061125
79-00-5	1,1,2-Trichloroethane	1.00	U	1	1.00	5.40	ug/Kg	06/11/25 12:01	VY061125
142-28-9	1,3-Dichloropropane	0.74	U	1	0.74	5.40	ug/Kg	06/11/25 12:01	VY061125
591-78-6	2-Hexanone	4.00	U	1	4.00	27.1	ug/Kg	06/11/25 12:01	VY061125
124-48-1	Dibromochloromethane	0.94	U	1	0.94	5.40	ug/Kg	06/11/25 12:01	VY061125
106-93-4	1,2-Dibromoethane	0.95	U	1	0.95	5.40	ug/Kg	06/11/25 12:01	VY061125
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.40	ug/Kg	06/11/25 12:01	VY061125
108-90-7	Chlorobenzene	0.98	U	1	0.98	5.40	ug/Kg	06/11/25 12:01	VY061125
630-20-6	1,1,1,2-Tetrachloroethane	0.83	U	1	0.83	5.40	ug/Kg	06/11/25 12:01	VY061125
100-41-4	Ethyl Benzene	0.72	U	1	0.72	5.40	ug/Kg	06/11/25 12:01	VY061125
179601-23-1	m/p-Xylenes	1.30	U	1	1.30	10.8	ug/Kg	06/11/25 12:01	VY061125

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: OU4-PCS-TC-37-060525
Lab Sample ID: Q2259-03
Analytical Method: 8260D
Sample Wt/Vol: 4.9 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 06/05/25
Date Received: 06/06/25
SDG No.: Q2259
Matrix: SOIL
% Solid: 94.3
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	2.19	U	1	2.19	16.2	ug/Kg	06/11/25 12:01	VY061125
95-47-6	o-Xylene	0.89	U	1	0.89	5.40	ug/Kg	06/11/25 12:01	VY061125
100-42-5	Styrene	0.77	U	1	0.77	5.40	ug/Kg	06/11/25 12:01	VY061125
75-25-2	Bromoform	0.93	U	1	0.93	5.40	ug/Kg	06/11/25 12:01	VY061125
98-82-8	Isopropylbenzene	0.84	U	1	0.84	5.40	ug/Kg	06/11/25 12:01	VY061125
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1	1.30	5.40	ug/Kg	06/11/25 12:01	VY061125
96-18-4	1,2,3-Trichloropropane	1.30	U	1	1.30	5.40	ug/Kg	06/11/25 12:01	VY061125
108-86-1	Bromobenzene	1.30	U	1	1.30	5.40	ug/Kg	06/11/25 12:01	VY061125
103-65-1	n-propylbenzene	0.79	U	1	0.79	5.40	ug/Kg	06/11/25 12:01	VY061125
95-49-8	2-Chlorotoluene	0.74	U	1	0.74	5.40	ug/Kg	06/11/25 12:01	VY061125
108-67-8	1,3,5-Trimethylbenzene	0.89	U	1	0.89	5.40	ug/Kg	06/11/25 12:01	VY061125
106-43-4	4-Chlorotoluene	1.30	U	1	1.30	5.40	ug/Kg	06/11/25 12:01	VY061125
98-06-6	tert-Butylbenzene	0.72	U	1	0.72	5.40	ug/Kg	06/11/25 12:01	VY061125
95-63-6	1,2,4-Trimethylbenzene	0.69	U	1	0.69	5.40	ug/Kg	06/11/25 12:01	VY061125
135-98-8	sec-Butylbenzene	0.71	U	1	0.71	5.40	ug/Kg	06/11/25 12:01	VY061125
99-87-6	p-Isopropyltoluene	0.67	U	1	0.67	5.40	ug/Kg	06/11/25 12:01	VY061125
541-73-1	1,3-Dichlorobenzene	1.90	U	1	1.90	5.40	ug/Kg	06/11/25 12:01	VY061125
106-46-7	1,4-Dichlorobenzene	1.70	U	1	1.70	5.40	ug/Kg	06/11/25 12:01	VY061125
104-51-8	n-Butylbenzene	1.60	U	1	1.60	5.40	ug/Kg	06/11/25 12:01	VY061125
95-50-1	1,2-Dichlorobenzene	1.60	U	1	1.60	5.40	ug/Kg	06/11/25 12:01	VY061125
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	1	2.00	5.40	ug/Kg	06/11/25 12:01	VY061125
120-82-1	1,2,4-Trichlorobenzene	3.20	U	1	3.20	5.40	ug/Kg	06/11/25 12:01	VY061125
87-68-3	Hexachlorobutadiene	2.10	U	1	2.10	5.40	ug/Kg	06/11/25 12:01	VY061125
87-61-6	1,2,3-Trichlorobenzene	3.40	U	1	3.40	5.40	ug/Kg	06/11/25 12:01	VY061125
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1	1.10	5.40	ug/Kg	06/11/25 12:01	VY061125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	47.5		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.5		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		17 - 146	79%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	171000
540-36-3	1,4-Difluorobenzene	317000
3114-55-4	Chlorobenzene-d5	250000
3855-82-1	1,4-Dichlorobenzene-d4	86500

TENTATIVE IDENTIFIED COMPOUNDS

Total VOC Tl	Total VOC TICs	0	U	0	mg/Kg
--------------	----------------	---	---	---	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q2259

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2259-01	OU4-PCS-TC-36-060525	1,2-Dichloroethane-d4	50	27.4	55	*	63	155
		1,2-Dichloroethane-d4	50	49.0	98		63	155
		Dibromofluoromethane	50	31.3	63	*	70	134
		Dibromofluoromethane	50	48.8	98		70	134
		Toluene-d8	50	49.0	98		74	123
		Toluene-d8	50	49.3	99		74	123
		4-Bromofluorobenzene	50	39.5	79		17	146
		4-Bromofluorobenzene	50	46.0	92		17	146
Q2259-03	OU4-PCS-TC-37-060525	1,2-Dichloroethane-d4	50	47.5	95		63	155
		1,2-Dichloroethane-d4	50	57.1	114		63	155
		Dibromofluoromethane	50	49.7	99		70	134
		Dibromofluoromethane	50	52.2	104		70	134
		Toluene-d8	50	49.5	99		74	123
		Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	39.6	79		17	146
		4-Bromofluorobenzene	50	43.4	87		17	146
VY0610SBL01	VY0610SBL01	1,2-Dichloroethane-d4	50	51.5	103		63	155
		Dibromofluoromethane	50	51.0	102		70	134
		Toluene-d8	50	50.3	101		74	123
		4-Bromofluorobenzene	50	40.6	81		17	146
VY0610SBS01	VY0610SBS01	1,2-Dichloroethane-d4	50	51.9	104		63	155
		Dibromofluoromethane	50	52.4	105		70	134
		Toluene-d8	50	52.2	104		74	123
		4-Bromofluorobenzene	50	49.2	98		17	146
VY0610SBSD01	VY0610SBSD01	1,2-Dichloroethane-d4	50	53.4	107		63	155
		Dibromofluoromethane	50	52.1	104		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	48.7	97		17	146
VY0611SBL01	VY0611SBL01	1,2-Dichloroethane-d4	50	48.4	97		63	155
		Dibromofluoromethane	50	50.6	101		70	134
		Toluene-d8	50	50.0	100		74	123
		4-Bromofluorobenzene	50	39.6	79		17	146
VY0611SBS01	VY0611SBS01	1,2-Dichloroethane-d4	50	52.1	104		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	53.9	108		74	123
		4-Bromofluorobenzene	50	51.1	102		17	146
VY0611SBSD01	VY0611SBSD01	1,2-Dichloroethane-d4	50	50.5	101		63	155
		Dibromofluoromethane	50	51.6	103		70	134
		Toluene-d8	50	52.0	104		74	123
		4-Bromofluorobenzene	50	48.8	98		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>VY022640.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0610SBS01	Dichlorodifluoromethane	20	21.9	ug/Kg	110			64	136	
	Chloromethane	20	19.6	ug/Kg	98			52	151	
	Vinyl chloride	20	22.7	ug/Kg	114			56	148	
	Bromomethane	20	22.5	ug/Kg	113			58	141	
	Chloroethane	20	24.2	ug/Kg	121			69	130	
	Tetrahydrofuran	100	93.4	ug/Kg	93			78	107	
	Trichlorofluoromethane	20	23.8	ug/Kg	119			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			81	123	
	1,1-Dichloroethene	20	21.7	ug/Kg	109			79	121	
	Acrylonitrile	100	97.0	ug/Kg	97			68	136	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	20.5	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			77	129	
	Methylene Chloride	20	19.7	ug/Kg	99			72	131	
	trans-1,2-Dichloroethene	20	21.2	ug/Kg	106			80	123	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			82	123	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.4	ug/Kg	102			76	129	
	2,2-Dichloropropane	20	21.5	ug/Kg	108			62	143	
	cis-1,2-Dichloroethene	20	21.5	ug/Kg	108			82	123	
	Chloroform	20	22.3	ug/Kg	112			82	125	
	1,1,1-Trichloroethane	20	21.8	ug/Kg	109			80	126	
	1,1-Dichloropropene	20	20.3	ug/Kg	102			84	119	
	Benzene	20	21.2	ug/Kg	106			84	121	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			81	126	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			83	122	
	Dibromomethane	20	21.3	ug/Kg	106			83	119	
	Bromodichloromethane	20	21.0	ug/Kg	105			82	123	
	4-Methyl-2-Pentanone	100	93.1	ug/Kg	93			70	135	
	Toluene	20	20.5	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			81	122	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			82	125	
	1,3-Dichloropropane	20	20.9	ug/Kg	104			80	125	
	2-Hexanone	100	92.2	ug/Kg	92			66	138	
	Dibromochloromethane	20	20.4	ug/Kg	102			79	125	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			80	125	
	Tetrachloroethene	20	21.4	ug/Kg	107			83	125	
	Chlorobenzene	20	20.4	ug/Kg	102			84	122	
	1,1,1,2-Tetrachloroethane	20	19.7	ug/Kg	99			84	123	
	Ethyl Benzene	20	19.9	ug/Kg	100			82	124	
	m/p-Xylenes	40	39.7	ug/Kg	99			83	124	
	o-Xylene	20	19.1	ug/Kg	96			83	123	
	Styrene	20	19.4	ug/Kg	97			82	124	
	Bromoform	20	18.9	ug/Kg	95			75	127	
	Isopropylbenzene	20	19.4	ug/Kg	97			82	124	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/Kg	93			77	127	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>VY022640.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0610SBS01	1,2,3-Trichloropropane	20	19.3	ug/Kg	97			58	144	
	Bromobenzene	20	19.6	ug/Kg	98			83	120	
	N-propylbenzene	20	19.8	ug/Kg	99			81	123	
	2-Chlorotoluene	20	19.9	ug/Kg	100			84	118	
	1,3,5-Trimethylbenzene	20	19.8	ug/Kg	99			82	124	
	4-Chlorotoluene	20	19.6	ug/Kg	98			82	122	
	tert-Butylbenzene	20	19.4	ug/Kg	97			81	125	
	1,2,4-Trimethylbenzene	20	19.4	ug/Kg	97			81	125	
	Sec-butylbenzene	20	19.8	ug/Kg	99			80	124	
	p-Isopropyltoluene	20	19.1	ug/Kg	96			81	125	
	1,3-Dichlorobenzene	20	19.5	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			84	121	
	n-Butylbenzene	20	19.7	ug/Kg	99			78	126	
	1,2-Dichlorobenzene	20	19.9	ug/Kg	100			83	124	
	1,2-Dibromo-3-Chloropropane	20	20.1	ug/Kg	101			66	134	
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94			78	127	
	Hexachlorobutadiene	20	20.1	ug/Kg	101			80	123	
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93			70	137	
	trans-1,4-Dichloro-2-butene	20	16.8	ug/Kg	84			74	115	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>VY022641.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0610SBSD01	Dichlorodifluoromethane	20	21.8	ug/Kg	109	1		64	136	20
	Chloromethane	20	24.7	ug/Kg	124	23	*	52	151	20
	Vinyl chloride	20	25.4	ug/Kg	127	11		56	148	20
	Bromomethane	20	25.0	ug/Kg	125	10		58	141	20
	Chloroethane	20	24.4	ug/Kg	122	1		69	130	20
	Tetrahydrofuran	100	110	ug/Kg	110	17	*	78	107	20
	Trichlorofluoromethane	20	24.2	ug/Kg	121	2		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	22.1	ug/Kg	111	3		81	123	20
	1,1-Dichloroethene	20	22.0	ug/Kg	110	1		79	121	20
	Acrylonitrile	100	110	ug/Kg	110	13		68	136	20
	Acetone	100	120	ug/Kg	120	9		40	171	20
	Carbon disulfide	20	21.1	ug/Kg	106	3		59	130	20
	Methyl tert-butyl Ether	20	21.7	ug/Kg	109	7		77	129	20
	Methylene Chloride	20	22.3	ug/Kg	112	12		72	131	20
	trans-1,2-Dichloroethene	20	21.7	ug/Kg	109	3		80	123	20
	1,1-Dichloroethane	20	22.8	ug/Kg	114	5		82	123	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	20.3	ug/Kg	102	0		76	129	20
	2,2-Dichloropropane	20	21.3	ug/Kg	106	2		62	143	20
	cis-1,2-Dichloroethene	20	22.5	ug/Kg	113	5		82	123	20
	Chloroform	20	22.9	ug/Kg	115	3		82	125	20
	1,1,1-Trichloroethane	20	22.2	ug/Kg	111	2		80	126	20
	1,1-Dichloropropene	20	20.9	ug/Kg	104	2		84	119	20
	Benzene	20	21.9	ug/Kg	110	4		84	121	20
	1,2-Dichloroethane	20	22.0	ug/Kg	110	6		81	126	20
	Trichloroethene	20	21.5	ug/Kg	108	4		83	122	20
	1,2-Dichloropropane	20	22.1	ug/Kg	111	3		83	122	20
	Dibromomethane	20	21.2	ug/Kg	106	0		83	119	20
	Bromodichloromethane	20	21.7	ug/Kg	109	4		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	7		70	135	20
	Toluene	20	21.1	ug/Kg	106	3		83	122	20
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104	7		78	124	20
	cis-1,3-Dichloropropene	20	21.3	ug/Kg	106	6		81	122	20
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106	3		82	125	20
	1,3-Dichloropropane	20	22.1	ug/Kg	111	7		80	125	20
	2-Hexanone	100	100	ug/Kg	100	8		66	138	20
	Dibromochloromethane	20	20.8	ug/Kg	104	2		79	125	20
	1,2-Dibromoethane	20	21.8	ug/Kg	109	8		80	125	20
	Tetrachloroethene	20	21.4	ug/Kg	107	0		83	125	20
	Chlorobenzene	20	21.1	ug/Kg	106	4		84	122	20
	1,1,1,2-Tetrachloroethane	20	20.8	ug/Kg	104	5		84	123	20
	Ethyl Benzene	20	20.2	ug/Kg	101	1		82	124	20
	m/p-Xylenes	40	40.0	ug/Kg	100	1		83	124	20
	o-Xylene	20	20.1	ug/Kg	101	5		83	123	20
	Styrene	20	20.3	ug/Kg	102	5		82	124	20
	Bromoform	20	19.9	ug/Kg	100	5		75	127	20
	Isopropylbenzene	20	19.7	ug/Kg	99	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101	8		77	127	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>VY022641.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0610SBSD01	1,2,3-Trichloropropane	20	20.2	ug/Kg	101	4		58	144	20
	Bromobenzene	20	20.0	ug/Kg	100	2		83	120	20
	N-propylbenzene	20	20.3	ug/Kg	102	3		81	123	20
	2-Chlorotoluene	20	20.5	ug/Kg	103	3		84	118	20
	1,3,5-Trimethylbenzene	20	20.3	ug/Kg	102	3		82	124	20
	4-Chlorotoluene	20	20.4	ug/Kg	102	4		82	122	20
	tert-Butylbenzene	20	20.0	ug/Kg	100	3		81	125	20
	1,2,4-Trimethylbenzene	20	19.9	ug/Kg	100	3		81	125	20
	Sec-butylbenzene	20	19.9	ug/Kg	100	1		80	124	20
	p-Isopropyltoluene	20	19.3	ug/Kg	97	1		81	125	20
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	4		83	122	20
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101	1		84	121	20
	n-Butylbenzene	20	19.9	ug/Kg	100	1		78	126	20
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102	2		83	124	20
	1,2-Dibromo-3-Chloropropane	20	21.2	ug/Kg	106	5		66	134	20
	1,2,4-Trichlorobenzene	20	21.5	ug/Kg	108	14		78	127	20
	Hexachlorobutadiene	20	21.3	ug/Kg	106	5		80	123	20
	1,2,3-Trichlorobenzene	20	20.7	ug/Kg	104	11		70	137	20
	trans-1,4-Dichloro-2-butene	20	19.5	ug/Kg	98	15		74	115	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>VY022654.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0611SBS01	Dichlorodifluoromethane	20	22.0	ug/Kg	110			64	136	
	Chloromethane	20	19.1	ug/Kg	96			52	151	
	Vinyl chloride	20	22.8	ug/Kg	114			56	148	
	Bromomethane	20	22.7	ug/Kg	114			58	141	
	Chloroethane	20	24.3	ug/Kg	121			69	130	
	Tetrahydrofuran	100	93.0	ug/Kg	93			78	107	
	Trichlorofluoromethane	20	24.2	ug/Kg	121			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.1	ug/Kg	111			81	123	
	1,1-Dichloroethene	20	21.5	ug/Kg	108			79	121	
	Acrylonitrile	100	97.7	ug/Kg	98			68	136	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	20.4	ug/Kg	102			59	130	
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98			77	129	
	Methylene Chloride	20	22.6	ug/Kg	113			72	131	
	trans-1,2-Dichloroethene	20	21.6	ug/Kg	108			80	123	
	1,1-Dichloroethane	20	21.4	ug/Kg	107			82	123	
	2-Butanone	100	120	ug/Kg	120			69	131	
	Carbon Tetrachloride	20	21.2	ug/Kg	106			76	129	
	2,2-Dichloropropane	20	22.0	ug/Kg	110			62	143	
	cis-1,2-Dichloroethene	20	21.5	ug/Kg	108			82	123	
	Chloroform	20	22.3	ug/Kg	112			82	125	
	1,1,1-Trichloroethane	20	22.2	ug/Kg	111			80	126	
	1,1-Dichloropropene	20	21.5	ug/Kg	108			84	119	
	Benzene	20	21.2	ug/Kg	106			84	121	
	1,2-Dichloroethane	20	21.1	ug/Kg	106			81	126	
	Trichloroethene	20	22.4	ug/Kg	112			83	122	
	1,2-Dichloropropane	20	21.6	ug/Kg	108			83	122	
	Dibromomethane	20	21.1	ug/Kg	106			83	119	
	Bromodichloromethane	20	21.3	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	93.4	ug/Kg	93			70	135	
	Toluene	20	21.1	ug/Kg	106			83	122	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			82	125	
	1,3-Dichloropropane	20	20.7	ug/Kg	104			80	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	20.3	ug/Kg	102			79	125	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			80	125	
	Tetrachloroethene	20	24.8	ug/Kg	124			83	125	
	Chlorobenzene	20	21.6	ug/Kg	108			84	122	
	1,1,1,2-Tetrachloroethane	20	21.0	ug/Kg	105			84	123	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	42.1	ug/Kg	105			83	124	
	o-Xylene	20	20.9	ug/Kg	104			83	123	
	Styrene	20	20.2	ug/Kg	101			82	124	
	Bromoform	20	19.2	ug/Kg	96			75	127	
	Isopropylbenzene	20	20.1	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	17.6	ug/Kg	88			77	127	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>VY022654.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0611SBS01	1,2,3-Trichloropropane	20	17.5	ug/Kg	88			58	144	
	Bromobenzene	20	20.6	ug/Kg	103			83	120	
	N-propylbenzene	20	20.4	ug/Kg	102			81	123	
	2-Chlorotoluene	20	20.0	ug/Kg	100			84	118	
	1,3,5-Trimethylbenzene	20	20.5	ug/Kg	103			82	124	
	4-Chlorotoluene	20	20.2	ug/Kg	101			82	122	
	tert-Butylbenzene	20	20.5	ug/Kg	103			81	125	
	1,2,4-Trimethylbenzene	20	20.2	ug/Kg	101			81	125	
	Sec-butylbenzene	20	20.6	ug/Kg	103			80	124	
	p-Isopropyltoluene	20	20.2	ug/Kg	101			81	125	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102			84	121	
	n-Butylbenzene	20	20.7	ug/Kg	104			78	126	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			83	124	
	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	21.1	ug/Kg	106			78	127	
	Hexachlorobutadiene	20	22.8	ug/Kg	114			80	123	
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105			70	137	
	trans-1,4-Dichloro-2-butene	20	17.8	ug/Kg	89			74	115	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>VY022655.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0611SBSD01	Dichlorodifluoromethane	20	22.0	ug/Kg	110	0		64	136	20
	Chloromethane	20	18.7	ug/Kg	94	2		52	151	20
	Vinyl chloride	20	23.3	ug/Kg	117	3		56	148	20
	Bromomethane	20	22.5	ug/Kg	113	1		58	141	20
	Chloroethane	20	24.0	ug/Kg	120	1		69	130	20
	Tetrahydrofuran	100	100	ug/Kg	100	7		78	107	20
	Trichlorofluoromethane	20	25.0	ug/Kg	125	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	22.3	ug/Kg	112	1		81	123	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	4		79	121	20
	Acrylonitrile	100	100	ug/Kg	100	2		68	136	20
	Acetone	100	150	ug/Kg	150	7		40	171	20
	Carbon disulfide	20	20.3	ug/Kg	102	0		59	130	20
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	4		77	129	20
	Methylene Chloride	20	23.0	ug/Kg	115	2		72	131	20
	trans-1,2-Dichloroethene	20	21.8	ug/Kg	109	1		80	123	20
	1,1-Dichloroethane	20	21.6	ug/Kg	108	1		82	123	20
	2-Butanone	100	120	ug/Kg	120	0		69	131	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	1		76	129	20
	2,2-Dichloropropane	20	20.9	ug/Kg	104	6		62	143	20
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108	0		82	123	20
	Chloroform	20	22.4	ug/Kg	112	0		82	125	20
	1,1,1-Trichloroethane	20	22.1	ug/Kg	111	0		80	126	20
	1,1-Dichloropropene	20	21.2	ug/Kg	106	2		84	119	20
	Benzene	20	21.9	ug/Kg	110	4		84	121	20
	1,2-Dichloroethane	20	21.7	ug/Kg	109	3		81	126	20
	Trichloroethene	20	21.8	ug/Kg	109	3		83	122	20
	1,2-Dichloropropane	20	21.7	ug/Kg	109	1		83	122	20
	Dibromomethane	20	21.2	ug/Kg	106	0		83	119	20
	Bromodichloromethane	20	22.1	ug/Kg	111	5		82	123	20
	4-Methyl-2-Pentanone	100	98.1	ug/Kg	98	5		70	135	20
	Toluene	20	21.5	ug/Kg	108	2		83	122	20
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103	2		78	124	20
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	1		81	122	20
	1,1,2-Trichloroethane	20	21.8	ug/Kg	109	5		82	125	20
	1,3-Dichloropropane	20	21.4	ug/Kg	107	3		80	125	20
	2-Hexanone	100	110	ug/Kg	110	10		66	138	20
	Dibromochloromethane	20	21.4	ug/Kg	107	5		79	125	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	4		80	125	20
	Tetrachloroethene	20	24.6	ug/Kg	123	1		83	125	20
	Chlorobenzene	20	21.9	ug/Kg	110	2		84	122	20
	1,1,1,2-Tetrachloroethane	20	21.1	ug/Kg	106	1		84	123	20
	Ethyl Benzene	20	20.7	ug/Kg	104	0		82	124	20
	m/p-Xylenes	40	41.8	ug/Kg	104	1		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	0		83	123	20
	Styrene	20	20.8	ug/Kg	104	3		82	124	20
	Bromoform	20	20.3	ug/Kg	102	6		75	127	20
	Isopropylbenzene	20	20.9	ug/Kg	104	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.5	ug/Kg	98	11		77	127	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>VY022655.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0611SBSD01	1,2,3-Trichloropropane	20	17.5	ug/Kg	88	0		58	144	20
	Bromobenzene	20	20.9	ug/Kg	104	1		83	120	20
	N-propylbenzene	20	21.0	ug/Kg	105	3		81	123	20
	2-Chlorotoluene	20	20.6	ug/Kg	103	3		84	118	20
	1,3,5-Trimethylbenzene	20	20.8	ug/Kg	104	1		82	124	20
	4-Chlorotoluene	20	20.4	ug/Kg	102	1		82	122	20
	tert-Butylbenzene	20	20.7	ug/Kg	104	1		81	125	20
	1,2,4-Trimethylbenzene	20	20.6	ug/Kg	103	2		81	125	20
	Sec-butylbenzene	20	21.1	ug/Kg	106	3		80	124	20
	p-Isopropyltoluene	20	20.8	ug/Kg	104	3		81	125	20
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106	4		83	122	20
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109	7		84	121	20
	n-Butylbenzene	20	21.0	ug/Kg	105	1		78	126	20
	1,2-Dichlorobenzene	20	21.4	ug/Kg	107	5		83	124	20
	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100	8		66	134	20
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	3		78	127	20
	Hexachlorobutadiene	20	22.4	ug/Kg	112	2		80	123	20
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103	2		70	137	20
	trans-1,4-Dichloro-2-butene	20	18.2	ug/Kg	91	2		74	115	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0610SBL01

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab File ID: VY022639.D

Lab Sample ID: VY0610SBL01

Date Analyzed: 06/10/2025

Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0610SBS01	VY0610SBS01	VY022640.D	06/10/2025
VY0610SBSD01	VY0610SBSD01	VY022641.D	06/10/2025
OU4-PCS-TC-36-060525	Q2259-01	VY022647.D	06/10/2025
OU4-PCS-TC-37-060525	Q2259-03	VY022648.D	06/10/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0611SBL01

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab File ID: VY022653.D

Lab Sample ID: VY0611SBL01

Date Analyzed: 06/11/2025

Time Analyzed: 10:30

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0611SBS01	VY0611SBS01	VY022654.D	06/11/2025
VY0611SBSD01	VY0611SBSD01	VY022655.D	06/11/2025
OU4-PCS-TC-37-060525	Q2259-03	VY022656.D	06/11/2025
OU4-PCS-TC-36-060525	Q2259-01	VY022657.D	06/11/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab File ID: VY022488.D

BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:31

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY022491.D	06/02/2025	11:46
VSTDIC010	VSTDIC010	VY022492.D	06/02/2025	12:09
VSTDIC020	VSTDIC020	VY022493.D	06/02/2025	12:32
VSTDIC050	VSTDIC050	VY022494.D	06/02/2025	12:54
VSTDIC100	VSTDIC100	VY022495.D	06/02/2025	13:17
VSTDIC150	VSTDIC150	VY022496.D	06/02/2025	13:39

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab File ID: VY022637.D

BFB Injection Date: 06/10/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 09:11

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.2
75	30.0 - 60.0% of mass 95	59.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	84.2
175	5.0 - 9.0% of mass 174	6.3 (7.5) 1
176	95.0 - 101.0% of mass 174	81 (96.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022638.D	06/10/2025	09:46
VY0610SBL01	VY0610SBL01	VY022639.D	06/10/2025	10:20
VY0610SBS01	VY0610SBS01	VY022640.D	06/10/2025	10:56
VY0610SBSD01	VY0610SBSD01	VY022641.D	06/10/2025	11:18
OU4-PCS-TC-36-060525	Q2259-01	VY022647.D	06/10/2025	13:56
OU4-PCS-TC-37-060525	Q2259-03	VY022648.D	06/10/2025	14:19

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VY022651.D
Instrument ID: MSVOA_Y
GC Column: RXI-624 ID: 0.25 (mm)

Contract: NOBI03
SDG NO.: Q2259
BFB Injection Date: 06/11/2025
BFB Injection Time: 09:22
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	59.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.7 (7.8) 1
176	95.0 - 101.0% of mass 174	83 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022652.D	06/11/2025	09:59
VY0611SBL01	VY0611SBL01	VY022653.D	06/11/2025	10:30
VY0611SBS01	VY0611SBS01	VY022654.D	06/11/2025	11:01
VY0611SBSD01	VY0611SBSD01	VY022655.D	06/11/2025	11:23
OU4-PCS-TC-37-060525	Q2259-03	VY022656.D	06/11/2025	12:01
OU4-PCS-TC-36-060525	Q2259-01	VY022657.D	06/11/2025	12:24

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03
Lab Code: ACE SDG NO.: Q2259
Lab File ID: VY022638.D Date Analyzed: 06/10/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:46
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	156937	7.71	264046	8.62	225714	11.41
UPPER LIMIT	313874	8.213	528092	9.116	451428	11.914
LOWER LIMIT	78468.5	7.213	132023	8.116	112857	10.914
EPA SAMPLE NO.						
OU4-PCS-TC-36-060525	226891	7.71	430118	8.62	337782	11.41
OU4-PCS-TC-37-060525	169467	7.71	331619	8.62	277760	11.41
VY0610SBL01	238087	7.71	437151	8.62	353511	11.42
VY0610SBS01	159654	7.71	276426	8.62	235815	11.42
VY0610SBSD01	151859	7.71	266922	8.62	229662	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03
 Lab Code: ACE SDG NO.: Q2259
 Lab File ID: VY022638.D Date Analyzed: 06/10/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:46
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	106365	13.347				
UPPER LIMIT	212730	13.847				
LOWER LIMIT	53182.5	12.847				
EPA SAMPLE NO.						
OU4-PCS-TC-36-060525	119411	13.35				
OU4-PCS-TC-37-060525	99853	13.35				
VY0610SBL01	122259	13.35				
VY0610SBS01	109725	13.35				
VY0610SBSD01	107638	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03
Lab Code: ACE SDG NO.: Q2259
Lab File ID: VY022652.D Date Analyzed: 06/11/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	157578	7.71	265316	8.62	226799	11.41
UPPER LIMIT	315156	8.207	530632	9.116	453598	11.914
LOWER LIMIT	78789	7.207	132658	8.116	113400	10.914
EPA SAMPLE NO.						
OU4-PCS-TC-36-060525	166804	7.69	220732	8.60	214709	11.42
OU4-PCS-TC-37-060525	170907	7.71	317360	8.62	249999	11.41
VY0611SBL01	167932	7.71	308222	8.62	245642	11.41
VY0611SBS01	154377	7.71	263261	8.62	218934	11.41
VY0611SBSD01	154293	7.71	261377	8.62	216375	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03
Lab Code: ACE SDG NO.: Q2259
Lab File ID: VY022652.D Date Analyzed: 06/11/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	106876	13.346				
UPPER LIMIT	213752	13.846				
LOWER LIMIT	53438	12.846				
EPA SAMPLE NO.						
OU4-PCS-TC-36-060525	66012	13.35				
OU4-PCS-TC-37-060525	86500	13.35				
VY0611SBL01	84338	13.35				
VY0611SBS01	105447	13.35				
VY0611SBSD01	102308	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0610SBL01
Lab Sample ID: VY0610SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	06/10/25 10:20	VY061025
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	06/10/25 10:20	VY061025
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	06/10/25 10:20	VY061025
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	06/10/25 10:20	VY061025
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	06/10/25 10:20	VY061025
109-99-9	Tetrahydrofuran	4.70	U	1	4.70	25.0	ug/Kg	06/10/25 10:20	VY061025
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	06/10/25 10:20	VY061025
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	06/10/25 10:20	VY061025
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	06/10/25 10:20	VY061025
107-13-1	Acrylonitrile	5.00	U	1	5.00	25.0	ug/Kg	06/10/25 10:20	VY061025
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	06/10/25 10:20	VY061025
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	06/10/25 10:20	VY061025
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	06/10/25 10:20	VY061025
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	06/10/25 10:20	VY061025
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	06/10/25 10:20	VY061025
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	06/10/25 10:20	VY061025
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	06/10/25 10:20	VY061025
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	06/10/25 10:20	VY061025
594-20-7	2,2-Dichloropropane	1.30	U	1	1.30	5.00	ug/Kg	06/10/25 10:20	VY061025
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	06/10/25 10:20	VY061025
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	06/10/25 10:20	VY061025
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	06/10/25 10:20	VY061025
563-58-6	1,1-Dichloropropene	0.87	U	1	0.87	5.00	ug/Kg	06/10/25 10:20	VY061025
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	06/10/25 10:20	VY061025
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	06/10/25 10:20	VY061025
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	06/10/25 10:20	VY061025
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	06/10/25 10:20	VY061025
74-95-3	Dibromomethane	0.89	U	1	0.89	5.00	ug/Kg	06/10/25 10:20	VY061025
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	06/10/25 10:20	VY061025
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	06/10/25 10:20	VY061025
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	06/10/25 10:20	VY061025
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	06/10/25 10:20	VY061025
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	06/10/25 10:20	VY061025
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	06/10/25 10:20	VY061025
142-28-9	1,3-Dichloropropane	0.68	U	1	0.68	5.00	ug/Kg	06/10/25 10:20	VY061025
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	06/10/25 10:20	VY061025
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	06/10/25 10:20	VY061025
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	06/10/25 10:20	VY061025
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	06/10/25 10:20	VY061025
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	06/10/25 10:20	VY061025
630-20-6	1,1,1,2-Tetrachloroethane	0.77	U	1	0.77	5.00	ug/Kg	06/10/25 10:20	VY061025
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	06/10/25 10:20	VY061025
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	06/10/25 10:20	VY061025

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0610SBL01
Lab Sample ID: VY0610SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	2.02	U	1	2.02	15.0	ug/Kg	06/10/25 10:20	VY061025
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	06/10/25 10:20	VY061025
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	06/10/25 10:20	VY061025
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	06/10/25 10:20	VY061025
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	06/10/25 10:20	VY061025
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	06/10/25 10:20	VY061025
96-18-4	1,2,3-Trichloropropane	1.20	U	1	1.20	5.00	ug/Kg	06/10/25 10:20	VY061025
108-86-1	Bromobenzene	1.20	U	1	1.20	5.00	ug/Kg	06/10/25 10:20	VY061025
103-65-1	n-propylbenzene	0.73	U	1	0.73	5.00	ug/Kg	06/10/25 10:20	VY061025
95-49-8	2-Chlorotoluene	0.68	U	1	0.68	5.00	ug/Kg	06/10/25 10:20	VY061025
108-67-8	1,3,5-Trimethylbenzene	0.82	U	1	0.82	5.00	ug/Kg	06/10/25 10:20	VY061025
106-43-4	4-Chlorotoluene	1.20	U	1	1.20	5.00	ug/Kg	06/10/25 10:20	VY061025
98-06-6	tert-Butylbenzene	0.67	U	1	0.67	5.00	ug/Kg	06/10/25 10:20	VY061025
95-63-6	1,2,4-Trimethylbenzene	0.64	U	1	0.64	5.00	ug/Kg	06/10/25 10:20	VY061025
135-98-8	sec-Butylbenzene	0.66	U	1	0.66	5.00	ug/Kg	06/10/25 10:20	VY061025
99-87-6	p-Isopropyltoluene	0.62	U	1	0.62	5.00	ug/Kg	06/10/25 10:20	VY061025
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	06/10/25 10:20	VY061025
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	06/10/25 10:20	VY061025
104-51-8	n-Butylbenzene	1.50	U	1	1.50	5.00	ug/Kg	06/10/25 10:20	VY061025
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	06/10/25 10:20	VY061025
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	06/10/25 10:20	VY061025
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	06/10/25 10:20	VY061025
87-68-3	Hexachlorobutadiene	1.90	U	1	1.90	5.00	ug/Kg	06/10/25 10:20	VY061025
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	06/10/25 10:20	VY061025
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1	1.10	5.00	ug/Kg	06/10/25 10:20	VY061025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.5		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.6		17 - 146	81%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	238000
540-36-3	1,4-Difluorobenzene	437000
3114-55-4	Chlorobenzene-d5	354000
3855-82-1	1,4-Dichlorobenzene-d4	122000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0611SBL01
Lab Sample ID: VY0611SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	06/11/25 10:30	VY061125
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	06/11/25 10:30	VY061125
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	06/11/25 10:30	VY061125
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	06/11/25 10:30	VY061125
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	06/11/25 10:30	VY061125
109-99-9	Tetrahydrofuran	4.70	U	1	4.70	25.0	ug/Kg	06/11/25 10:30	VY061125
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	06/11/25 10:30	VY061125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	06/11/25 10:30	VY061125
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	06/11/25 10:30	VY061125
107-13-1	Acrylonitrile	5.00	U	1	5.00	25.0	ug/Kg	06/11/25 10:30	VY061125
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	06/11/25 10:30	VY061125
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	06/11/25 10:30	VY061125
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	06/11/25 10:30	VY061125
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	06/11/25 10:30	VY061125
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	06/11/25 10:30	VY061125
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	06/11/25 10:30	VY061125
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	06/11/25 10:30	VY061125
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	06/11/25 10:30	VY061125
594-20-7	2,2-Dichloropropane	1.30	U	1	1.30	5.00	ug/Kg	06/11/25 10:30	VY061125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	06/11/25 10:30	VY061125
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	06/11/25 10:30	VY061125
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	06/11/25 10:30	VY061125
563-58-6	1,1-Dichloropropene	0.87	U	1	0.87	5.00	ug/Kg	06/11/25 10:30	VY061125
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	06/11/25 10:30	VY061125
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	06/11/25 10:30	VY061125
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	06/11/25 10:30	VY061125
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	06/11/25 10:30	VY061125
74-95-3	Dibromomethane	0.89	U	1	0.89	5.00	ug/Kg	06/11/25 10:30	VY061125
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	06/11/25 10:30	VY061125
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	06/11/25 10:30	VY061125
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	06/11/25 10:30	VY061125
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	06/11/25 10:30	VY061125
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	06/11/25 10:30	VY061125
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	06/11/25 10:30	VY061125
142-28-9	1,3-Dichloropropane	0.68	U	1	0.68	5.00	ug/Kg	06/11/25 10:30	VY061125
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	06/11/25 10:30	VY061125
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	06/11/25 10:30	VY061125
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	06/11/25 10:30	VY061125
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	06/11/25 10:30	VY061125
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	06/11/25 10:30	VY061125
630-20-6	1,1,1,2-Tetrachloroethane	0.77	U	1	0.77	5.00	ug/Kg	06/11/25 10:30	VY061125
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	06/11/25 10:30	VY061125
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	06/11/25 10:30	VY061125

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0611SBL01
Lab Sample ID: VY0611SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	2.02	U	1	2.02	15.0	ug/Kg	06/11/25 10:30	VY061125
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	06/11/25 10:30	VY061125
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	06/11/25 10:30	VY061125
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	06/11/25 10:30	VY061125
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	06/11/25 10:30	VY061125
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	06/11/25 10:30	VY061125
96-18-4	1,2,3-Trichloropropane	1.20	U	1	1.20	5.00	ug/Kg	06/11/25 10:30	VY061125
108-86-1	Bromobenzene	1.20	U	1	1.20	5.00	ug/Kg	06/11/25 10:30	VY061125
103-65-1	n-propylbenzene	0.73	U	1	0.73	5.00	ug/Kg	06/11/25 10:30	VY061125
95-49-8	2-Chlorotoluene	0.68	U	1	0.68	5.00	ug/Kg	06/11/25 10:30	VY061125
108-67-8	1,3,5-Trimethylbenzene	0.82	U	1	0.82	5.00	ug/Kg	06/11/25 10:30	VY061125
106-43-4	4-Chlorotoluene	1.20	U	1	1.20	5.00	ug/Kg	06/11/25 10:30	VY061125
98-06-6	tert-Butylbenzene	0.67	U	1	0.67	5.00	ug/Kg	06/11/25 10:30	VY061125
95-63-6	1,2,4-Trimethylbenzene	0.64	U	1	0.64	5.00	ug/Kg	06/11/25 10:30	VY061125
135-98-8	sec-Butylbenzene	0.66	U	1	0.66	5.00	ug/Kg	06/11/25 10:30	VY061125
99-87-6	p-Isopropyltoluene	0.62	U	1	0.62	5.00	ug/Kg	06/11/25 10:30	VY061125
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	06/11/25 10:30	VY061125
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	06/11/25 10:30	VY061125
104-51-8	n-Butylbenzene	1.50	U	1	1.50	5.00	ug/Kg	06/11/25 10:30	VY061125
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	06/11/25 10:30	VY061125
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	06/11/25 10:30	VY061125
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	06/11/25 10:30	VY061125
87-68-3	Hexachlorobutadiene	1.90	U	1	1.90	5.00	ug/Kg	06/11/25 10:30	VY061125
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	06/11/25 10:30	VY061125
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1	1.10	5.00	ug/Kg	06/11/25 10:30	VY061125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		17 - 146	79%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	168000
540-36-3	1,4-Difluorobenzene	308000
3114-55-4	Chlorobenzene-d5	246000
3855-82-1	1,4-Dichlorobenzene-d4	84300

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0610SBS01
Lab Sample ID: VY0610SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.9		1	1.10	5.00	ug/Kg	06/10/25 10:56	VY061025
74-87-3	Chloromethane	19.6		1	1.10	5.00	ug/Kg	06/10/25 10:56	VY061025
75-01-4	Vinyl Chloride	22.7		1	0.79	5.00	ug/Kg	06/10/25 10:56	VY061025
74-83-9	Bromomethane	22.5		1	1.10	5.00	ug/Kg	06/10/25 10:56	VY061025
75-00-3	Chloroethane	24.2		1	1.30	5.00	ug/Kg	06/10/25 10:56	VY061025
109-99-9	Tetrahydrofuran	93.4		1	4.70	25.0	ug/Kg	06/10/25 10:56	VY061025
75-69-4	Trichlorofluoromethane	23.8		1	1.20	5.00	ug/Kg	06/10/25 10:56	VY061025
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1	1.10	5.00	ug/Kg	06/10/25 10:56	VY061025
75-35-4	1,1-Dichloroethene	21.7		1	1.00	5.00	ug/Kg	06/10/25 10:56	VY061025
107-13-1	Acrylonitrile	97.0		1	5.00	25.0	ug/Kg	06/10/25 10:56	VY061025
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	06/10/25 10:56	VY061025
75-15-0	Carbon Disulfide	20.5		1	1.10	5.00	ug/Kg	06/10/25 10:56	VY061025
1634-04-4	Methyl tert-butyl Ether	20.3		1	0.73	5.00	ug/Kg	06/10/25 10:56	VY061025
75-09-2	Methylene Chloride	19.7		1	3.50	10.0	ug/Kg	06/10/25 10:56	VY061025
156-60-5	trans-1,2-Dichloroethene	21.2		1	0.86	5.00	ug/Kg	06/10/25 10:56	VY061025
75-34-3	1,1-Dichloroethane	21.6		1	0.80	5.00	ug/Kg	06/10/25 10:56	VY061025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	06/10/25 10:56	VY061025
56-23-5	Carbon Tetrachloride	20.4		1	0.97	5.00	ug/Kg	06/10/25 10:56	VY061025
594-20-7	2,2-Dichloropropane	21.5		1	1.30	5.00	ug/Kg	06/10/25 10:56	VY061025
156-59-2	cis-1,2-Dichloroethene	21.5		1	0.75	5.00	ug/Kg	06/10/25 10:56	VY061025
67-66-3	Chloroform	22.3		1	0.84	5.00	ug/Kg	06/10/25 10:56	VY061025
71-55-6	1,1,1-Trichloroethane	21.8		1	0.93	5.00	ug/Kg	06/10/25 10:56	VY061025
563-58-6	1,1-Dichloropropene	20.3		1	0.87	5.00	ug/Kg	06/10/25 10:56	VY061025
71-43-2	Benzene	21.2		1	0.79	5.00	ug/Kg	06/10/25 10:56	VY061025
107-06-2	1,2-Dichloroethane	20.8		1	0.79	5.00	ug/Kg	06/10/25 10:56	VY061025
79-01-6	Trichloroethene	20.8		1	0.81	5.00	ug/Kg	06/10/25 10:56	VY061025
78-87-5	1,2-Dichloropropane	21.5		1	0.91	5.00	ug/Kg	06/10/25 10:56	VY061025
74-95-3	Dibromomethane	21.3		1	0.89	5.00	ug/Kg	06/10/25 10:56	VY061025
75-27-4	Bromodichloromethane	21.0		1	0.78	5.00	ug/Kg	06/10/25 10:56	VY061025
108-10-1	4-Methyl-2-Pentanone	93.1		1	3.60	25.0	ug/Kg	06/10/25 10:56	VY061025
108-88-3	Toluene	20.5		1	0.78	5.00	ug/Kg	06/10/25 10:56	VY061025
10061-02-6	t-1,3-Dichloropropene	19.4		1	0.65	5.00	ug/Kg	06/10/25 10:56	VY061025
10061-01-5	cis-1,3-Dichloropropene	20.0		1	0.62	5.00	ug/Kg	06/10/25 10:56	VY061025
79-00-5	1,1,2-Trichloroethane	20.6		1	0.92	5.00	ug/Kg	06/10/25 10:56	VY061025
142-28-9	1,3-Dichloropropane	20.9		1	0.68	5.00	ug/Kg	06/10/25 10:56	VY061025
591-78-6	2-Hexanone	92.2		1	3.70	25.0	ug/Kg	06/10/25 10:56	VY061025
124-48-1	Dibromochloromethane	20.4		1	0.87	5.00	ug/Kg	06/10/25 10:56	VY061025
106-93-4	1,2-Dibromoethane	20.1		1	0.88	5.00	ug/Kg	06/10/25 10:56	VY061025
127-18-4	Tetrachloroethene	21.4		1	1.10	5.00	ug/Kg	06/10/25 10:56	VY061025
108-90-7	Chlorobenzene	20.4		1	0.91	5.00	ug/Kg	06/10/25 10:56	VY061025
630-20-6	1,1,1,2-Tetrachloroethane	19.7		1	0.77	5.00	ug/Kg	06/10/25 10:56	VY061025
100-41-4	Ethyl Benzene	19.9		1	0.67	5.00	ug/Kg	06/10/25 10:56	VY061025
179601-23-1	m/p-Xylenes	39.7		1	1.20	10.0	ug/Kg	06/10/25 10:56	VY061025

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0610SBS01
Lab Sample ID: VY0610SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	58.8		1	2.02	15.0	ug/Kg	06/10/25 10:56	VY061025
95-47-6	o-Xylene	19.1		1	0.82	5.00	ug/Kg	06/10/25 10:56	VY061025
100-42-5	Styrene	19.4		1	0.71	5.00	ug/Kg	06/10/25 10:56	VY061025
75-25-2	Bromoform	18.9		1	0.86	5.00	ug/Kg	06/10/25 10:56	VY061025
98-82-8	Isopropylbenzene	19.4		1	0.78	5.00	ug/Kg	06/10/25 10:56	VY061025
79-34-5	1,1,2,2-Tetrachloroethane	18.5		1	1.20	5.00	ug/Kg	06/10/25 10:56	VY061025
96-18-4	1,2,3-Trichloropropane	19.3		1	1.20	5.00	ug/Kg	06/10/25 10:56	VY061025
108-86-1	Bromobenzene	19.6		1	1.20	5.00	ug/Kg	06/10/25 10:56	VY061025
103-65-1	n-propylbenzene	19.8		1	0.73	5.00	ug/Kg	06/10/25 10:56	VY061025
95-49-8	2-Chlorotoluene	19.9		1	0.68	5.00	ug/Kg	06/10/25 10:56	VY061025
108-67-8	1,3,5-Trimethylbenzene	19.8		1	0.82	5.00	ug/Kg	06/10/25 10:56	VY061025
106-43-4	4-Chlorotoluene	19.6		1	1.20	5.00	ug/Kg	06/10/25 10:56	VY061025
98-06-6	tert-Butylbenzene	19.4		1	0.67	5.00	ug/Kg	06/10/25 10:56	VY061025
95-63-6	1,2,4-Trimethylbenzene	19.4		1	0.64	5.00	ug/Kg	06/10/25 10:56	VY061025
135-98-8	sec-Butylbenzene	19.8		1	0.66	5.00	ug/Kg	06/10/25 10:56	VY061025
99-87-6	p-Isopropyltoluene	19.1		1	0.62	5.00	ug/Kg	06/10/25 10:56	VY061025
541-73-1	1,3-Dichlorobenzene	19.5		1	1.70	5.00	ug/Kg	06/10/25 10:56	VY061025
106-46-7	1,4-Dichlorobenzene	20.0		1	1.60	5.00	ug/Kg	06/10/25 10:56	VY061025
104-51-8	n-Butylbenzene	19.7		1	1.50	5.00	ug/Kg	06/10/25 10:56	VY061025
95-50-1	1,2-Dichlorobenzene	19.9		1	1.50	5.00	ug/Kg	06/10/25 10:56	VY061025
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		1	1.80	5.00	ug/Kg	06/10/25 10:56	VY061025
120-82-1	1,2,4-Trichlorobenzene	18.7		1	3.00	5.00	ug/Kg	06/10/25 10:56	VY061025
87-68-3	Hexachlorobutadiene	20.1		1	1.90	5.00	ug/Kg	06/10/25 10:56	VY061025
87-61-6	1,2,3-Trichlorobenzene	18.5		1	3.20	5.00	ug/Kg	06/10/25 10:56	VY061025
110-57-6	trans-1,4-Dichloro-2-butene	16.8		1	1.10	5.00	ug/Kg	06/10/25 10:56	VY061025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.9		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	52.2		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		17 - 146	98%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	160000
540-36-3	1,4-Difluorobenzene	276000
3114-55-4	Chlorobenzene-d5	236000
3855-82-1	1,4-Dichlorobenzene-d4	110000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0611SBS01
Lab Sample ID: VY0611SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.0		1	1.10	5.00	ug/Kg	06/11/25 11:01	VY061125
74-87-3	Chloromethane	19.1		1	1.10	5.00	ug/Kg	06/11/25 11:01	VY061125
75-01-4	Vinyl Chloride	22.8		1	0.79	5.00	ug/Kg	06/11/25 11:01	VY061125
74-83-9	Bromomethane	22.7		1	1.10	5.00	ug/Kg	06/11/25 11:01	VY061125
75-00-3	Chloroethane	24.3		1	1.30	5.00	ug/Kg	06/11/25 11:01	VY061125
109-99-9	Tetrahydrofuran	93.0		1	4.70	25.0	ug/Kg	06/11/25 11:01	VY061125
75-69-4	Trichlorofluoromethane	24.2		1	1.20	5.00	ug/Kg	06/11/25 11:01	VY061125
76-13-1	1,1,2-Trichlorotrifluoroethane	22.1		1	1.10	5.00	ug/Kg	06/11/25 11:01	VY061125
75-35-4	1,1-Dichloroethene	21.5		1	1.00	5.00	ug/Kg	06/11/25 11:01	VY061125
107-13-1	Acrylonitrile	97.7		1	5.00	25.0	ug/Kg	06/11/25 11:01	VY061125
67-64-1	Acetone	140		1	4.70	25.0	ug/Kg	06/11/25 11:01	VY061125
75-15-0	Carbon Disulfide	20.4		1	1.10	5.00	ug/Kg	06/11/25 11:01	VY061125
1634-04-4	Methyl tert-butyl Ether	19.5		1	0.73	5.00	ug/Kg	06/11/25 11:01	VY061125
75-09-2	Methylene Chloride	22.6		1	3.50	10.0	ug/Kg	06/11/25 11:01	VY061125
156-60-5	trans-1,2-Dichloroethene	21.6		1	0.86	5.00	ug/Kg	06/11/25 11:01	VY061125
75-34-3	1,1-Dichloroethane	21.4		1	0.80	5.00	ug/Kg	06/11/25 11:01	VY061125
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	06/11/25 11:01	VY061125
56-23-5	Carbon Tetrachloride	21.2		1	0.97	5.00	ug/Kg	06/11/25 11:01	VY061125
594-20-7	2,2-Dichloropropane	22.0		1	1.30	5.00	ug/Kg	06/11/25 11:01	VY061125
156-59-2	cis-1,2-Dichloroethene	21.5		1	0.75	5.00	ug/Kg	06/11/25 11:01	VY061125
67-66-3	Chloroform	22.3		1	0.84	5.00	ug/Kg	06/11/25 11:01	VY061125
71-55-6	1,1,1-Trichloroethane	22.2		1	0.93	5.00	ug/Kg	06/11/25 11:01	VY061125
563-58-6	1,1-Dichloropropene	21.5		1	0.87	5.00	ug/Kg	06/11/25 11:01	VY061125
71-43-2	Benzene	21.2		1	0.79	5.00	ug/Kg	06/11/25 11:01	VY061125
107-06-2	1,2-Dichloroethane	21.1		1	0.79	5.00	ug/Kg	06/11/25 11:01	VY061125
79-01-6	Trichloroethene	22.4		1	0.81	5.00	ug/Kg	06/11/25 11:01	VY061125
78-87-5	1,2-Dichloropropane	21.6		1	0.91	5.00	ug/Kg	06/11/25 11:01	VY061125
74-95-3	Dibromomethane	21.1		1	0.89	5.00	ug/Kg	06/11/25 11:01	VY061125
75-27-4	Bromodichloromethane	21.3		1	0.78	5.00	ug/Kg	06/11/25 11:01	VY061125
108-10-1	4-Methyl-2-Pentanone	93.4		1	3.60	25.0	ug/Kg	06/11/25 11:01	VY061125
108-88-3	Toluene	21.1		1	0.78	5.00	ug/Kg	06/11/25 11:01	VY061125
10061-02-6	t-1,3-Dichloropropene	20.1		1	0.65	5.00	ug/Kg	06/11/25 11:01	VY061125
10061-01-5	cis-1,3-Dichloropropene	20.6		1	0.62	5.00	ug/Kg	06/11/25 11:01	VY061125
79-00-5	1,1,2-Trichloroethane	20.8		1	0.92	5.00	ug/Kg	06/11/25 11:01	VY061125
142-28-9	1,3-Dichloropropane	20.7		1	0.68	5.00	ug/Kg	06/11/25 11:01	VY061125
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	06/11/25 11:01	VY061125
124-48-1	Dibromochloromethane	20.3		1	0.87	5.00	ug/Kg	06/11/25 11:01	VY061125
106-93-4	1,2-Dibromoethane	20.3		1	0.88	5.00	ug/Kg	06/11/25 11:01	VY061125
127-18-4	Tetrachloroethene	24.8		1	1.10	5.00	ug/Kg	06/11/25 11:01	VY061125
108-90-7	Chlorobenzene	21.6		1	0.91	5.00	ug/Kg	06/11/25 11:01	VY061125
630-20-6	1,1,1,2-Tetrachloroethane	21.0		1	0.77	5.00	ug/Kg	06/11/25 11:01	VY061125
100-41-4	Ethyl Benzene	20.7		1	0.67	5.00	ug/Kg	06/11/25 11:01	VY061125
179601-23-1	m/p-Xylenes	42.1		1	1.20	10.0	ug/Kg	06/11/25 11:01	VY061125

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0611SBS01
Lab Sample ID: VY0611SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	63.0		1	2.02	15.0	ug/Kg	06/11/25 11:01	VY061125
95-47-6	o-Xylene	20.9		1	0.82	5.00	ug/Kg	06/11/25 11:01	VY061125
100-42-5	Styrene	20.2		1	0.71	5.00	ug/Kg	06/11/25 11:01	VY061125
75-25-2	Bromoform	19.2		1	0.86	5.00	ug/Kg	06/11/25 11:01	VY061125
98-82-8	Isopropylbenzene	20.1		1	0.78	5.00	ug/Kg	06/11/25 11:01	VY061125
79-34-5	1,1,2,2-Tetrachloroethane	17.6		1	1.20	5.00	ug/Kg	06/11/25 11:01	VY061125
96-18-4	1,2,3-Trichloropropane	17.5		1	1.20	5.00	ug/Kg	06/11/25 11:01	VY061125
108-86-1	Bromobenzene	20.6		1	1.20	5.00	ug/Kg	06/11/25 11:01	VY061125
103-65-1	n-propylbenzene	20.4		1	0.73	5.00	ug/Kg	06/11/25 11:01	VY061125
95-49-8	2-Chlorotoluene	20.0		1	0.68	5.00	ug/Kg	06/11/25 11:01	VY061125
108-67-8	1,3,5-Trimethylbenzene	20.5		1	0.82	5.00	ug/Kg	06/11/25 11:01	VY061125
106-43-4	4-Chlorotoluene	20.2		1	1.20	5.00	ug/Kg	06/11/25 11:01	VY061125
98-06-6	tert-Butylbenzene	20.5		1	0.67	5.00	ug/Kg	06/11/25 11:01	VY061125
95-63-6	1,2,4-Trimethylbenzene	20.2		1	0.64	5.00	ug/Kg	06/11/25 11:01	VY061125
135-98-8	sec-Butylbenzene	20.6		1	0.66	5.00	ug/Kg	06/11/25 11:01	VY061125
99-87-6	p-Isopropyltoluene	20.2		1	0.62	5.00	ug/Kg	06/11/25 11:01	VY061125
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	06/11/25 11:01	VY061125
106-46-7	1,4-Dichlorobenzene	20.4		1	1.60	5.00	ug/Kg	06/11/25 11:01	VY061125
104-51-8	n-Butylbenzene	20.7		1	1.50	5.00	ug/Kg	06/11/25 11:01	VY061125
95-50-1	1,2-Dichlorobenzene	20.3		1	1.50	5.00	ug/Kg	06/11/25 11:01	VY061125
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		1	1.80	5.00	ug/Kg	06/11/25 11:01	VY061125
120-82-1	1,2,4-Trichlorobenzene	21.1		1	3.00	5.00	ug/Kg	06/11/25 11:01	VY061125
87-68-3	Hexachlorobutadiene	22.8		1	1.90	5.00	ug/Kg	06/11/25 11:01	VY061125
87-61-6	1,2,3-Trichlorobenzene	21.0		1	3.20	5.00	ug/Kg	06/11/25 11:01	VY061125
110-57-6	trans-1,4-Dichloro-2-butene	17.8		1	1.10	5.00	ug/Kg	06/11/25 11:01	VY061125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.2			63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	53.9			74 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1			17 - 146	102%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	154000
540-36-3	1,4-Difluorobenzene	263000
3114-55-4	Chlorobenzene-d5	219000
3855-82-1	1,4-Dichlorobenzene-d4	105000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0610SBSD01
Lab Sample ID: VY0610SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.8		1	1.10	5.00	ug/Kg	06/10/25 11:18	VY061025
74-87-3	Chloromethane	24.7		1	1.10	5.00	ug/Kg	06/10/25 11:18	VY061025
75-01-4	Vinyl Chloride	25.4		1	0.79	5.00	ug/Kg	06/10/25 11:18	VY061025
74-83-9	Bromomethane	25.0		1	1.10	5.00	ug/Kg	06/10/25 11:18	VY061025
75-00-3	Chloroethane	24.4		1	1.30	5.00	ug/Kg	06/10/25 11:18	VY061025
109-99-9	Tetrahydrofuran	110		1	4.70	25.0	ug/Kg	06/10/25 11:18	VY061025
75-69-4	Trichlorofluoromethane	24.2		1	1.20	5.00	ug/Kg	06/10/25 11:18	VY061025
76-13-1	1,1,2-Trichlorotrifluoroethane	22.1		1	1.10	5.00	ug/Kg	06/10/25 11:18	VY061025
75-35-4	1,1-Dichloroethene	22.0		1	1.00	5.00	ug/Kg	06/10/25 11:18	VY061025
107-13-1	Acrylonitrile	110		1	5.00	25.0	ug/Kg	06/10/25 11:18	VY061025
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	06/10/25 11:18	VY061025
75-15-0	Carbon Disulfide	21.1		1	1.10	5.00	ug/Kg	06/10/25 11:18	VY061025
1634-04-4	Methyl tert-butyl Ether	21.7		1	0.73	5.00	ug/Kg	06/10/25 11:18	VY061025
75-09-2	Methylene Chloride	22.3		1	3.50	10.0	ug/Kg	06/10/25 11:18	VY061025
156-60-5	trans-1,2-Dichloroethene	21.7		1	0.86	5.00	ug/Kg	06/10/25 11:18	VY061025
75-34-3	1,1-Dichloroethane	22.8		1	0.80	5.00	ug/Kg	06/10/25 11:18	VY061025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	06/10/25 11:18	VY061025
56-23-5	Carbon Tetrachloride	20.3		1	0.97	5.00	ug/Kg	06/10/25 11:18	VY061025
594-20-7	2,2-Dichloropropane	21.3		1	1.30	5.00	ug/Kg	06/10/25 11:18	VY061025
156-59-2	cis-1,2-Dichloroethene	22.5		1	0.75	5.00	ug/Kg	06/10/25 11:18	VY061025
67-66-3	Chloroform	22.9		1	0.84	5.00	ug/Kg	06/10/25 11:18	VY061025
71-55-6	1,1,1-Trichloroethane	22.2		1	0.93	5.00	ug/Kg	06/10/25 11:18	VY061025
563-58-6	1,1-Dichloropropene	20.9		1	0.87	5.00	ug/Kg	06/10/25 11:18	VY061025
71-43-2	Benzene	21.9		1	0.79	5.00	ug/Kg	06/10/25 11:18	VY061025
107-06-2	1,2-Dichloroethane	22.0		1	0.79	5.00	ug/Kg	06/10/25 11:18	VY061025
79-01-6	Trichloroethene	21.5		1	0.81	5.00	ug/Kg	06/10/25 11:18	VY061025
78-87-5	1,2-Dichloropropane	22.1		1	0.91	5.00	ug/Kg	06/10/25 11:18	VY061025
74-95-3	Dibromomethane	21.2		1	0.89	5.00	ug/Kg	06/10/25 11:18	VY061025
75-27-4	Bromodichloromethane	21.7		1	0.78	5.00	ug/Kg	06/10/25 11:18	VY061025
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	06/10/25 11:18	VY061025
108-88-3	Toluene	21.1		1	0.78	5.00	ug/Kg	06/10/25 11:18	VY061025
10061-02-6	t-1,3-Dichloropropene	20.7		1	0.65	5.00	ug/Kg	06/10/25 11:18	VY061025
10061-01-5	cis-1,3-Dichloropropene	21.3		1	0.62	5.00	ug/Kg	06/10/25 11:18	VY061025
79-00-5	1,1,2-Trichloroethane	21.1		1	0.92	5.00	ug/Kg	06/10/25 11:18	VY061025
142-28-9	1,3-Dichloropropane	22.1		1	0.68	5.00	ug/Kg	06/10/25 11:18	VY061025
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	06/10/25 11:18	VY061025
124-48-1	Dibromochloromethane	20.8		1	0.87	5.00	ug/Kg	06/10/25 11:18	VY061025
106-93-4	1,2-Dibromoethane	21.8		1	0.88	5.00	ug/Kg	06/10/25 11:18	VY061025
127-18-4	Tetrachloroethene	21.4		1	1.10	5.00	ug/Kg	06/10/25 11:18	VY061025
108-90-7	Chlorobenzene	21.1		1	0.91	5.00	ug/Kg	06/10/25 11:18	VY061025
630-20-6	1,1,1,2-Tetrachloroethane	20.8		1	0.77	5.00	ug/Kg	06/10/25 11:18	VY061025
100-41-4	Ethyl Benzene	20.2		1	0.67	5.00	ug/Kg	06/10/25 11:18	VY061025
179601-23-1	m/p-Xylenes	40.0		1	1.20	10.0	ug/Kg	06/10/25 11:18	VY061025

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0610SBSD01
Lab Sample ID: VY0610SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	60.1		1	2.02	15.0	ug/Kg	06/10/25 11:18	VY061025
95-47-6	o-Xylene	20.1		1	0.82	5.00	ug/Kg	06/10/25 11:18	VY061025
100-42-5	Styrene	20.3		1	0.71	5.00	ug/Kg	06/10/25 11:18	VY061025
75-25-2	Bromoform	19.9		1	0.86	5.00	ug/Kg	06/10/25 11:18	VY061025
98-82-8	Isopropylbenzene	19.7		1	0.78	5.00	ug/Kg	06/10/25 11:18	VY061025
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1	1.20	5.00	ug/Kg	06/10/25 11:18	VY061025
96-18-4	1,2,3-Trichloropropane	20.2		1	1.20	5.00	ug/Kg	06/10/25 11:18	VY061025
108-86-1	Bromobenzene	20.0		1	1.20	5.00	ug/Kg	06/10/25 11:18	VY061025
103-65-1	n-propylbenzene	20.3		1	0.73	5.00	ug/Kg	06/10/25 11:18	VY061025
95-49-8	2-Chlorotoluene	20.5		1	0.68	5.00	ug/Kg	06/10/25 11:18	VY061025
108-67-8	1,3,5-Trimethylbenzene	20.3		1	0.82	5.00	ug/Kg	06/10/25 11:18	VY061025
106-43-4	4-Chlorotoluene	20.4		1	1.20	5.00	ug/Kg	06/10/25 11:18	VY061025
98-06-6	tert-Butylbenzene	20.0		1	0.67	5.00	ug/Kg	06/10/25 11:18	VY061025
95-63-6	1,2,4-Trimethylbenzene	19.9		1	0.64	5.00	ug/Kg	06/10/25 11:18	VY061025
135-98-8	sec-Butylbenzene	19.9		1	0.66	5.00	ug/Kg	06/10/25 11:18	VY061025
99-87-6	p-Isopropyltoluene	19.3		1	0.62	5.00	ug/Kg	06/10/25 11:18	VY061025
541-73-1	1,3-Dichlorobenzene	20.3		1	1.70	5.00	ug/Kg	06/10/25 11:18	VY061025
106-46-7	1,4-Dichlorobenzene	20.1		1	1.60	5.00	ug/Kg	06/10/25 11:18	VY061025
104-51-8	n-Butylbenzene	19.9		1	1.50	5.00	ug/Kg	06/10/25 11:18	VY061025
95-50-1	1,2-Dichlorobenzene	20.4		1	1.50	5.00	ug/Kg	06/10/25 11:18	VY061025
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		1	1.80	5.00	ug/Kg	06/10/25 11:18	VY061025
120-82-1	1,2,4-Trichlorobenzene	21.5		1	3.00	5.00	ug/Kg	06/10/25 11:18	VY061025
87-68-3	Hexachlorobutadiene	21.3		1	1.90	5.00	ug/Kg	06/10/25 11:18	VY061025
87-61-6	1,2,3-Trichlorobenzene	20.7		1	3.20	5.00	ug/Kg	06/10/25 11:18	VY061025
110-57-6	trans-1,4-Dichloro-2-butene	19.5		1	1.10	5.00	ug/Kg	06/10/25 11:18	VY061025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.4			63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1			70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.5			74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7			17 - 146	97%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	152000
540-36-3	1,4-Difluorobenzene	267000
3114-55-4	Chlorobenzene-d5	230000
3855-82-1	1,4-Dichlorobenzene-d4	108000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0611SBSD01
Lab Sample ID: VY0611SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.0		1	1.10	5.00	ug/Kg	06/11/25 11:23	VY061125
74-87-3	Chloromethane	18.7		1	1.10	5.00	ug/Kg	06/11/25 11:23	VY061125
75-01-4	Vinyl Chloride	23.3		1	0.79	5.00	ug/Kg	06/11/25 11:23	VY061125
74-83-9	Bromomethane	22.5		1	1.10	5.00	ug/Kg	06/11/25 11:23	VY061125
75-00-3	Chloroethane	24.0		1	1.30	5.00	ug/Kg	06/11/25 11:23	VY061125
109-99-9	Tetrahydrofuran	100		1	4.70	25.0	ug/Kg	06/11/25 11:23	VY061125
75-69-4	Trichlorofluoromethane	25.0		1	1.20	5.00	ug/Kg	06/11/25 11:23	VY061125
76-13-1	1,1,2-Trichlorotrifluoroethane	22.3		1	1.10	5.00	ug/Kg	06/11/25 11:23	VY061125
75-35-4	1,1-Dichloroethene	20.8		1	1.00	5.00	ug/Kg	06/11/25 11:23	VY061125
107-13-1	Acrylonitrile	100		1	5.00	25.0	ug/Kg	06/11/25 11:23	VY061125
67-64-1	Acetone	150		1	4.70	25.0	ug/Kg	06/11/25 11:23	VY061125
75-15-0	Carbon Disulfide	20.3		1	1.10	5.00	ug/Kg	06/11/25 11:23	VY061125
1634-04-4	Methyl tert-butyl Ether	20.4		1	0.73	5.00	ug/Kg	06/11/25 11:23	VY061125
75-09-2	Methylene Chloride	23.0		1	3.50	10.0	ug/Kg	06/11/25 11:23	VY061125
156-60-5	trans-1,2-Dichloroethene	21.8		1	0.86	5.00	ug/Kg	06/11/25 11:23	VY061125
75-34-3	1,1-Dichloroethane	21.6		1	0.80	5.00	ug/Kg	06/11/25 11:23	VY061125
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	06/11/25 11:23	VY061125
56-23-5	Carbon Tetrachloride	21.4		1	0.97	5.00	ug/Kg	06/11/25 11:23	VY061125
594-20-7	2,2-Dichloropropane	20.9		1	1.30	5.00	ug/Kg	06/11/25 11:23	VY061125
156-59-2	cis-1,2-Dichloroethene	21.6		1	0.75	5.00	ug/Kg	06/11/25 11:23	VY061125
67-66-3	Chloroform	22.4		1	0.84	5.00	ug/Kg	06/11/25 11:23	VY061125
71-55-6	1,1,1-Trichloroethane	22.1		1	0.93	5.00	ug/Kg	06/11/25 11:23	VY061125
563-58-6	1,1-Dichloropropene	21.2		1	0.87	5.00	ug/Kg	06/11/25 11:23	VY061125
71-43-2	Benzene	21.9		1	0.79	5.00	ug/Kg	06/11/25 11:23	VY061125
107-06-2	1,2-Dichloroethane	21.7		1	0.79	5.00	ug/Kg	06/11/25 11:23	VY061125
79-01-6	Trichloroethene	21.8		1	0.81	5.00	ug/Kg	06/11/25 11:23	VY061125
78-87-5	1,2-Dichloropropane	21.7		1	0.91	5.00	ug/Kg	06/11/25 11:23	VY061125
74-95-3	Dibromomethane	21.2		1	0.89	5.00	ug/Kg	06/11/25 11:23	VY061125
75-27-4	Bromodichloromethane	22.1		1	0.78	5.00	ug/Kg	06/11/25 11:23	VY061125
108-10-1	4-Methyl-2-Pentanone	98.1		1	3.60	25.0	ug/Kg	06/11/25 11:23	VY061125
108-88-3	Toluene	21.5		1	0.78	5.00	ug/Kg	06/11/25 11:23	VY061125
10061-02-6	t-1,3-Dichloropropene	20.6		1	0.65	5.00	ug/Kg	06/11/25 11:23	VY061125
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	06/11/25 11:23	VY061125
79-00-5	1,1,2-Trichloroethane	21.8		1	0.92	5.00	ug/Kg	06/11/25 11:23	VY061125
142-28-9	1,3-Dichloropropane	21.4		1	0.68	5.00	ug/Kg	06/11/25 11:23	VY061125
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	06/11/25 11:23	VY061125
124-48-1	Dibromochloromethane	21.4		1	0.87	5.00	ug/Kg	06/11/25 11:23	VY061125
106-93-4	1,2-Dibromoethane	21.1		1	0.88	5.00	ug/Kg	06/11/25 11:23	VY061125
127-18-4	Tetrachloroethene	24.6		1	1.10	5.00	ug/Kg	06/11/25 11:23	VY061125
108-90-7	Chlorobenzene	21.9		1	0.91	5.00	ug/Kg	06/11/25 11:23	VY061125
630-20-6	1,1,1,2-Tetrachloroethane	21.1		1	0.77	5.00	ug/Kg	06/11/25 11:23	VY061125
100-41-4	Ethyl Benzene	20.7		1	0.67	5.00	ug/Kg	06/11/25 11:23	VY061125
179601-23-1	m/p-Xylenes	41.8		1	1.20	10.0	ug/Kg	06/11/25 11:23	VY061125

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: VY0611SBSD01
Lab Sample ID: VY0611SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q2259
Matrix: SOIL
% Solid: 100
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	62.5		1	2.02	15.0	ug/Kg	06/11/25 11:23	VY061125
95-47-6	o-Xylene	20.7		1	0.82	5.00	ug/Kg	06/11/25 11:23	VY061125
100-42-5	Styrene	20.8		1	0.71	5.00	ug/Kg	06/11/25 11:23	VY061125
75-25-2	Bromoform	20.3		1	0.86	5.00	ug/Kg	06/11/25 11:23	VY061125
98-82-8	Isopropylbenzene	20.9		1	0.78	5.00	ug/Kg	06/11/25 11:23	VY061125
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1	1.20	5.00	ug/Kg	06/11/25 11:23	VY061125
96-18-4	1,2,3-Trichloropropane	17.5		1	1.20	5.00	ug/Kg	06/11/25 11:23	VY061125
108-86-1	Bromobenzene	20.9		1	1.20	5.00	ug/Kg	06/11/25 11:23	VY061125
103-65-1	n-propylbenzene	21.0		1	0.73	5.00	ug/Kg	06/11/25 11:23	VY061125
95-49-8	2-Chlorotoluene	20.6		1	0.68	5.00	ug/Kg	06/11/25 11:23	VY061125
108-67-8	1,3,5-Trimethylbenzene	20.8		1	0.82	5.00	ug/Kg	06/11/25 11:23	VY061125
106-43-4	4-Chlorotoluene	20.4		1	1.20	5.00	ug/Kg	06/11/25 11:23	VY061125
98-06-6	tert-Butylbenzene	20.7		1	0.67	5.00	ug/Kg	06/11/25 11:23	VY061125
95-63-6	1,2,4-Trimethylbenzene	20.6		1	0.64	5.00	ug/Kg	06/11/25 11:23	VY061125
135-98-8	sec-Butylbenzene	21.1		1	0.66	5.00	ug/Kg	06/11/25 11:23	VY061125
99-87-6	p-Isopropyltoluene	20.8		1	0.62	5.00	ug/Kg	06/11/25 11:23	VY061125
541-73-1	1,3-Dichlorobenzene	21.3		1	1.70	5.00	ug/Kg	06/11/25 11:23	VY061125
106-46-7	1,4-Dichlorobenzene	21.8		1	1.60	5.00	ug/Kg	06/11/25 11:23	VY061125
104-51-8	n-Butylbenzene	21.0		1	1.50	5.00	ug/Kg	06/11/25 11:23	VY061125
95-50-1	1,2-Dichlorobenzene	21.4		1	1.50	5.00	ug/Kg	06/11/25 11:23	VY061125
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1	1.80	5.00	ug/Kg	06/11/25 11:23	VY061125
120-82-1	1,2,4-Trichlorobenzene	20.6		1	3.00	5.00	ug/Kg	06/11/25 11:23	VY061125
87-68-3	Hexachlorobutadiene	22.4		1	1.90	5.00	ug/Kg	06/11/25 11:23	VY061125
87-61-6	1,2,3-Trichlorobenzene	20.6		1	3.20	5.00	ug/Kg	06/11/25 11:23	VY061125
110-57-6	trans-1,4-Dichloro-2-butene	18.2		1	1.10	5.00	ug/Kg	06/11/25 11:23	VY061125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	50.5			63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6			70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	52.0			74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8			17 - 146	98%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	154000
540-36-3	1,4-Difluorobenzene	261000
3114-55-4	Chlorobenzene-d5	216000
3855-82-1	1,4-Dichlorobenzene-d4	102000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG No.: Q2259

Instrument ID: MSVOA_Y

Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY022491.D	RRF010 = VY022492.D	RRF020 = VY022493.D	RRF050 = VY022494.D	RRF100 = VY022495.D	RRF150 = VY022496.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.6
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.9
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
2,2-Dichloropropane	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.8
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
1,1-Dichloropropene	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.3
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.5
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG No.: Q2259

Instrument ID: MSVOA_Y

Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY022491.D		RRF010 = VY022492.D		RRF020 = VY022493.D		RRF050 = VY022494.D		RRF100 = VY022495.D		RRF150 = VY022496.D	
COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
Toluene		0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8				
t-1,3-Dichloropropene		0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2				
cis-1,3-Dichloropropene		0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7				
1,1,2-Trichloroethane		0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7				
1,3-Dichloropropane		0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.6				
2-Hexanone		0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3				
Dibromochloromethane		0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6				
1,2-Dibromoethane		0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9				
Tetrachloroethene		0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7				
Chlorobenzene		0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5				
1,1,1,2-Tetrachloroethane		0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.5				
Ethyl Benzene		1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9				
m/p-Xylenes		0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9				
o-Xylene		0.583	0.749	0.721	0.734	0.764	0.826	0.729	11				
Styrene		0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9				
Bromoform		0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7				
Isopropylbenzene		3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3				
1,1,2,2-Tetrachloroethane		0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3				
1,2,3-Trichloropropane		0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.6				
Bromobenzene		0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.6				
n-propylbenzene		4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.4				
2-Chlorotoluene		2.378	2.742	2.654	2.676	2.666	2.828	2.657	5.7				
1,3,5-Trimethylbenzene		2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.8				
4-Chlorotoluene		2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.2				
tert-Butylbenzene		2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.4				
1,2,4-Trimethylbenzene		2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.9				
sec-Butylbenzene		3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.9				
p-Isopropyltoluene		3.038	3.638	3.591	3.655	3.824	4.163	3.652	10				
1,3-Dichlorobenzene		1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3				
1,4-Dichlorobenzene		1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3				

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: NOBI03
Lab Code: ACE SDG No.: Q2259
Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025
Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39
GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
RRF005 = VY022491.D			RRF010 = VY022492.D			RRF020 = VY022493.D		
RRF050 = VY022494.D			RRF100 = VY022495.D			RRF150 = VY022496.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.7
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
Hexachlorobutadiene	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.5
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6
trans-1,4-Dichloro-2-butene	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2259</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>06/10/2025 09:46</u>
Lab File ID:	<u>VY022638.D</u>	Init. Calib. Date(s):	<u>06/02/2025 06/02/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>11:46 13:39</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.394		-12.05	20
Chloromethane	1.322	1.335	0.1	0.98	20
Vinyl Chloride	1.534	1.619		5.54	20
Bromomethane	1.470	1.262		-14.15	20
Chloroethane	1.053	1.078		2.37	20
Tetrahydrofuran	0.106	0.098		-7.55	20
Trichlorofluoromethane	1.302	1.299		-0.23	20
1,1,2-Trichlorotrifluoroethane	0.549	0.532		-3.1	20
1,1-Dichloroethene	0.524	0.505		-3.63	20
Acrylonitrile	0.124	0.119		-4.03	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.558		-7.21	20
Methyl tert-butyl Ether	1.477	1.397		-5.42	20
Methylene Chloride	0.645	0.605		-6.2	20
trans-1,2-Dichloroethene	0.587	0.579		-1.36	20
1,1-Dichloroethane	1.079	1.086	0.1	0.65	20
2-Butanone	0.164	0.151		-7.93	20
Carbon Tetrachloride	0.497	0.497		0	20
2,2-Dichloropropane	0.954	0.933		-2.2	20
cis-1,2-Dichloroethene	0.678	0.681		0.44	20
Chloroform	1.069	1.103		3.18	20
1,1,1-Trichloroethane	0.949	0.955		0.63	20
1,1-Dichloropropene	0.484	0.481		-0.62	20
Benzene	1.431	1.470		2.72	20
1,2-Dichloroethane	0.391	0.394		0.77	20
Trichloroethene	0.350	0.350		0	20
1,2-Dichloropropane	0.338	0.349		3.25	20
Dibromomethane	0.190	0.194		2.11	20
Bromodichloromethane	0.482	0.511		6.02	20
4-Methyl-2-Pentanone	0.233	0.226		-3	20
Toluene	0.899	0.923		2.67	20
t-1,3-Dichloropropene	0.452	0.448		-0.88	20
cis-1,3-Dichloropropene	0.526	0.536		1.9	20
1,1,2-Trichloroethane	0.243	0.249		2.47	20
1,3-Dichloropropane	0.430	0.440		2.33	20
2-Hexanone	0.156	0.149		-4.49	20
Dibromochloromethane	0.308	0.311		0.97	20
1,2-Dibromoethane	0.221	0.227		2.71	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2259</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>06/10/2025 09:46</u>
Lab File ID:	<u>VY022638.D</u>	Init. Calib. Date(s):	<u>06/02/2025 06/02/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>11:46 13:39</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.430	0.453		5.35	20
Chlorobenzene	1.106	1.112	0.3	0.54	20
1,1,1,2-Tetrachloroethane	0.373	0.373		0	20
Ethyl Benzene	2.052	2.078		1.27	20
m/p-Xylenes	0.778	0.785		0.9	20
o-Xylene	0.729	0.742		1.78	20
Styrene	1.206	1.231		2.07	20
Bromoform	0.198	0.190	0.1	-4.04	20
Isopropylbenzene	4.105	4.062		-1.05	20
1,1,2,2-Tetrachloroethane	0.674	0.647	0.3	-4.01	20
1,2,3-Trichloropropane	0.572	0.514		-10.14	20
Bromobenzene	0.866	0.865		-0.12	20
n-propylbenzene	5.014	5.003		-0.22	20
2-Chlorotoluene	2.657	2.636		-0.79	20
1,3,5-Trimethylbenzene	3.223	3.206		-0.53	20
4-Chlorotoluene	2.741	2.754		0.47	20
tert-Butylbenzene	2.893	2.894		0.04	20
1,2,4-Trimethylbenzene	3.223	3.210		-0.4	20
sec-Butylbenzene	4.430	4.413		-0.38	20
p-Isopropyltoluene	3.652	3.601		-1.4	20
1,3-Dichlorobenzene	1.755	1.761		0.34	20
1,4-Dichlorobenzene	1.702	1.724		1.29	20
n-Butylbenzene	3.464	3.528		1.85	20
1,2-Dichlorobenzene	1.490	1.491		0.07	20
1,2-Dibromo-3-Chloropropane	0.098	0.101		3.06	20
1,2,4-Trichlorobenzene	0.813	0.812		-0.12	20
Hexachlorobutadiene	0.449	0.450		0.22	20
1,2,3-Trichlorobenzene	0.697	0.681		-2.3	20
1,2-Dichloroethane-d4	0.559	0.601		7.51	20
Dibromofluoromethane	0.298	0.326		9.4	20
Toluene-d8	1.206	1.305		8.21	20
4-Bromofluorobenzene	0.359	0.387		7.8	20
trans-1,4-Dichloro-2-butene	0.237	0.219		-7.59	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2259</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>06/11/2025 09:59</u>
Lab File ID:	<u>VY022652.D</u>	Init. Calib. Date(s):	<u>06/02/2025 06/02/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>11:46 13:39</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.400		-10.71	20
Chloromethane	1.322	1.372	0.1	3.78	20
Vinyl Chloride	1.534	1.715		11.8	20
Bromomethane	1.470	1.318		-10.34	20
Chloroethane	1.053	1.122		6.55	20
Tetrahydrofuran	0.106	0.101		-4.72	20
Trichlorofluoromethane	1.302	1.417		8.83	20
1,1,2-Trichlorotrifluoroethane	0.549	0.546		-0.55	20
1,1-Dichloroethene	0.524	0.510		-2.67	20
Acrylonitrile	0.124	0.123		-0.81	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.592		-5.18	20
Methyl tert-butyl Ether	1.477	1.440		-2.51	20
Methylene Chloride	0.645	0.603		-6.51	20
trans-1,2-Dichloroethene	0.587	0.581		-1.02	20
1,1-Dichloroethane	1.079	1.099	0.1	1.85	20
2-Butanone	0.164	0.155		-5.49	20
Carbon Tetrachloride	0.497	0.510		2.62	20
2,2-Dichloropropane	0.954	0.951		-0.31	20
cis-1,2-Dichloroethene	0.678	0.683		0.74	20
Chloroform	1.069	1.111		3.93	20
1,1,1-Trichloroethane	0.949	0.973		2.53	20
1,1-Dichloropropene	0.484	0.483		-0.21	20
Benzene	1.431	1.466		2.45	20
1,2-Dichloroethane	0.391	0.400		2.3	20
Trichloroethene	0.350	0.369		5.43	20
1,2-Dichloropropane	0.338	0.348		2.96	20
Dibromomethane	0.190	0.199		4.74	20
Bromodichloromethane	0.482	0.509		5.6	20
4-Methyl-2-Pentanone	0.233	0.231		-0.86	20
Toluene	0.899	0.932		3.67	20
t-1,3-Dichloropropene	0.452	0.468		3.54	20
cis-1,3-Dichloropropene	0.526	0.538		2.28	20
1,1,2-Trichloroethane	0.243	0.246		1.24	20
1,3-Dichloropropane	0.430	0.438		1.86	20
2-Hexanone	0.156	0.151		-3.2	20
Dibromochloromethane	0.308	0.320		3.9	20
1,2-Dibromoethane	0.221	0.228		3.17	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2259</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>06/11/2025 09:59</u>
Lab File ID:	<u>VY022652.D</u>	Init. Calib. Date(s):	<u>06/02/2025 06/02/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>11:46 13:39</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.430	0.499		16.05	20
Chlorobenzene	1.106	1.154	0.3	4.34	20
1,1,1,2-Tetrachloroethane	0.373	0.389		4.29	20
Ethyl Benzene	2.052	2.116		3.12	20
m/p-Xylenes	0.778	0.799		2.7	20
o-Xylene	0.729	0.761		4.39	20
Styrene	1.206	1.258		4.31	20
Bromoform	0.198	0.200	0.1	1.01	20
Isopropylbenzene	4.105	4.205		2.41	20
1,1,2,2-Tetrachloroethane	0.674	0.637	0.3	-5.49	20
1,2,3-Trichloropropane	0.572	0.491		-14.16	20
Bromobenzene	0.866	0.870		0.46	20
n-propylbenzene	5.014	5.099		1.7	20
2-Chlorotoluene	2.657	2.685		1.05	20
1,3,5-Trimethylbenzene	3.223	3.289		2.05	20
4-Chlorotoluene	2.741	2.744		0.11	20
tert-Butylbenzene	2.893	2.942		1.69	20
1,2,4-Trimethylbenzene	3.223	3.257		1.05	20
sec-Butylbenzene	4.430	4.483		1.2	20
p-Isopropyltoluene	3.652	3.744		2.52	20
1,3-Dichlorobenzene	1.755	1.803		2.73	20
1,4-Dichlorobenzene	1.702	1.701		-0.06	20
n-Butylbenzene	3.464	3.515		1.47	20
1,2-Dichlorobenzene	1.490	1.547		3.83	20
1,2-Dibromo-3-Chloropropane	0.098	0.097		-1.02	20
1,2,4-Trichlorobenzene	0.813	0.809		-0.49	20
Hexachlorobutadiene	0.449	0.458		2	20
1,2,3-Trichlorobenzene	0.697	0.687		-1.43	20
1,2-Dichloroethane-d4	0.559	0.596		6.62	20
Dibromofluoromethane	0.298	0.327		9.73	20
Toluene-d8	1.206	1.324		9.78	20
4-Bromofluorobenzene	0.359	0.388		8.08	20
trans-1,4-Dichloro-2-butene	0.237	0.230		-2.95	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 15:07

Lab File ID: VY022664.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.384		-14.29	50
Chloromethane	1.322	1.072	0.1	-18.91	50
Vinyl Chloride	1.534	1.698		10.69	50
Bromomethane	1.470	1.259		-14.35	50
Chloroethane	1.053	1.192		13.2	50
Tetrahydrofuran	0.106	0.089		-16.04	50
Trichlorofluoromethane	1.302	1.495		14.82	50
1,1,2-Trichlorotrifluoroethane	0.549	0.521		-5.1	50
1,1-Dichloroethene	0.524	0.523		-0.19	50
Acrylonitrile	0.124	0.109		-12.1	50
Acetone	0.114	0.101		-11.4	50
Carbon Disulfide	1.679	1.519		-9.53	50
Methyl tert-butyl Ether	1.477	1.369		-7.31	50
Methylene Chloride	0.645	0.580		-10.08	50
trans-1,2-Dichloroethene	0.587	0.570		-2.9	50
1,1-Dichloroethane	1.079	1.064	0.1	-1.39	50
2-Butanone	0.164	0.143		-12.81	50
Carbon Tetrachloride	0.497	0.501		0.81	50
2,2-Dichloropropane	0.954	0.959		0.52	50
cis-1,2-Dichloroethene	0.678	0.684		0.88	50
Chloroform	1.069	1.074		0.47	50
1,1,1-Trichloroethane	0.949	0.953		0.42	50
1,1-Dichloropropene	0.484	0.485		0.21	50
Benzene	1.431	1.469		2.65	50
1,2-Dichloroethane	0.391	0.360		-7.93	50
Trichloroethene	0.350	0.382		9.14	50
1,2-Dichloropropane	0.338	0.339		0.3	50
Dibromomethane	0.190	0.186		-2.11	50
Bromodichloromethane	0.482	0.475		-1.45	50
4-Methyl-2-Pentanone	0.233	0.208		-10.73	50
Toluene	0.899	0.917		2	50
t-1,3-Dichloropropene	0.452	0.431		-4.65	50
cis-1,3-Dichloropropene	0.526	0.522		-0.76	50
1,1,2-Trichloroethane	0.243	0.231		-4.94	50
1,3-Dichloropropane	0.430	0.413		-3.95	50
2-Hexanone	0.156	0.140		-10.26	50
Dibromochloromethane	0.308	0.297		-3.57	50
1,2-Dibromoethane	0.221	0.214		-3.17	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 15:07

Lab File ID: VY022664.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.430	0.550		27.91	50
Chlorobenzene	1.106	1.150	0.3	3.98	50
1,1,1,2-Tetrachloroethane	0.373	0.381		2.14	50
Ethyl Benzene	2.052	2.110		2.83	50
m/p-Xylenes	0.778	0.813		4.5	50
o-Xylene	0.729	0.772		5.9	50
Styrene	1.206	1.264		4.81	50
Bromoform	0.198	0.192	0.1	-3.03	50
Isopropylbenzene	4.105	4.122		0.41	50
1,1,2,2-Tetrachloroethane	0.674	0.518	0.3	-23.15	50
1,2,3-Trichloropropane	0.572	0.509		-11.01	50
Bromobenzene	0.866	0.866		0	50
n-propylbenzene	5.014	5.001		-0.26	50
2-Chlorotoluene	2.657	2.618		-1.47	50
1,3,5-Trimethylbenzene	3.223	3.226		0.09	50
4-Chlorotoluene	2.741	2.653		-3.21	50
tert-Butylbenzene	2.893	2.973		2.77	50
1,2,4-Trimethylbenzene	3.223	3.209		-0.43	50
sec-Butylbenzene	4.430	4.454		0.54	50
p-Isopropyltoluene	3.652	3.731		2.16	50
1,3-Dichlorobenzene	1.755	1.775		1.14	50
1,4-Dichlorobenzene	1.702	1.670		-1.88	50
n-Butylbenzene	3.464	3.506		1.21	50
1,2-Dichlorobenzene	1.490	1.477		-0.87	50
1,2-Dibromo-3-Chloropropane	0.098	0.089		-9.18	50
1,2,4-Trichlorobenzene	0.813	0.831		2.21	50
Hexachlorobutadiene	0.449	0.455		1.34	50
1,2,3-Trichlorobenzene	0.697	0.675		-3.16	50
1,2-Dichloroethane-d4	0.559	0.505		-9.66	50
Dibromofluoromethane	0.298	0.296		-0.67	50
Toluene-d8	1.206	1.224		1.49	50
4-Bromofluorobenzene	0.359	0.360		0.28	50
trans-1,4-Dichloro-2-butene	0.237	0.196		-17.3	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

LAB CHRONICLE

OrderID:	Q2259	OrderDate:	6/6/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	OU4-PCS-TC-36-0605 25	SOIL			06/05/25			06/06/25
			SVOCMS Group3	8270E		06/09/25	06/10/25	
Q2259-03	OU4-PCS-TC-37-0605 25	SOIL			06/05/25			06/06/25
			SVOCMS Group3	8270E		06/09/25	06/10/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: Q2259
Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :				0.000					
Total Svoc :					0.00				
Total Concentration:					0.00				



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142704.D	1	06/09/25 09:40	06/10/25 11:13	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	63.1		37 - 122		63%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.7		44 - 115		65%	SPK: 100
1718-51-0	Terphenyl-d14	66.2		54 - 127		66%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69300	6.892				
1146-65-2	Naphthalene-d8	257000	8.175				
15067-26-2	Acenaphthene-d10	140000	9.933				
1517-22-2	Phenanthrene-d10	225000	11.422				
1719-03-5	Chrysene-d12	141000	14.063				
1520-96-3	Perylene-d12	169000	15.557				

TENTATIVE IDENTIFIED COMPOUNDS

Q2259

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142704.D	1	06/09/25 09:40	06/10/25 11:13	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142705.D	1	06/09/25 09:40	06/10/25 11:42	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	53.5		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.1		44 - 115		57%	SPK: 100
1718-51-0	Terphenyl-d14	58.1		54 - 127		58%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75400	6.892				
1146-65-2	Naphthalene-d8	295000	8.175				
15067-26-2	Acenaphthene-d10	163000	9.933				
1517-22-2	Phenanthrene-d10	267000	11.422				
1719-03-5	Chrysene-d12	168000	14.063				
1520-96-3	Perylene-d12	225000	15.557				

TENTATIVE IDENTIFIED COMPOUNDS

Q2259

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142705.D	1	06/09/25 09:40	06/10/25 11:42	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2259

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168351BL	PB168351BL	Nitrobenzene-d5	100	80.5	81		37	122
		2-Fluorobiphenyl	100	78.5	78		44	115
		Terphenyl-d14	100	72.4	72		54	127
PB168351BS	PB168351BS	Nitrobenzene-d5	100	81.6	82		37	122
		2-Fluorobiphenyl	100	78.3	78		44	115
		Terphenyl-d14	100	90.8	91		54	127
Q2259-01	OU4-PCS-TC-36-060525	Nitrobenzene-d5	100	63.1	63		37	122
		2-Fluorobiphenyl	100	64.7	65		44	115
		Terphenyl-d14	100	66.2	66		54	127
Q2259-03	OU4-PCS-TC-37-060525	Nitrobenzene-d5	100	53.5	54		37	122
		2-Fluorobiphenyl	100	57.1	57		44	115
		Terphenyl-d14	100	58.1	58		54	127
Q2266-05MS	WC-5MS	Nitrobenzene-d5	100	49.8	50		37	122
		2-Fluorobiphenyl	100	50.7	51		44	115
		Terphenyl-d14	100	52.4	52	*	54	127
Q2266-05MSD	WC-5MSD	Nitrobenzene-d5	100	51.2	51		37	122
		2-Fluorobiphenyl	100	53.3	53		44	115
		Terphenyl-d14	100	54.3	54		54	127

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259

Analytical Method: SW8270E

Client: Nobis Group

DataFile: BF142707.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2266-05MS		Client Sample ID: WC-5MS									
Naphthalene	1100	0	1000	ug/Kg	91				35	123	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				38	122	
Acenaphthylene	1100	0	1000	ug/Kg	91				32	132	
Acenaphthene	1100	0	1100	ug/Kg	100				40	123	
Fluorene	1100	0	970	ug/Kg	88				43	125	
Phenanthrene	1100	0	1000	ug/Kg	91				50	121	
Anthracene	1100	0	1000	ug/Kg	91				47	123	
Fluoranthene	1100	0	1000	ug/Kg	91				50	127	
Pyrene	1100	0	1000	ug/Kg	91				47	127	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				49	126	
Chrysene	1100	0	1100	ug/Kg	100				50	124	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				45	132	
Benzo(k)fluoranthene	1100	0	980	ug/Kg	89				47	132	
Benzo(a)pyrene	1100	0	1000	ug/Kg	91				45	129	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				45	133	
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100				45	134	
Benzo(g,h,i)perylene	1100	0	990	ug/Kg	90				43	134	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259

Analytical Method: SW8270E

Client: Nobis Group

DataFile: BF142708.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2266-05MSD		Client Sample ID: WC-5MSD									
Naphthalene	1100	0	1100	ug/Kg	100		9		35	123	20
2-Methylnaphthalene	1100	0	1000	ug/Kg	91		0		38	122	20
Acenaphthylene	1100	0	1100	ug/Kg	100		9		32	132	20
Acenaphthene	1100	0	1200	ug/Kg	109		9		40	123	20
Fluorene	1100	0	1000	ug/Kg	91		3		43	125	20
Phenanthrene	1100	0	1100	ug/Kg	100		9		50	121	20
Anthracene	1100	0	1100	ug/Kg	100		9		47	123	20
Fluoranthene	1100	0	1200	ug/Kg	109		18		50	127	20
Pyrene	1100	0	1100	ug/Kg	100		9		47	127	20
Benzo(a)anthracene	1100	0	1100	ug/Kg	100		0		49	126	20
Chrysene	1100	0	1100	ug/Kg	100		0		50	124	20
Benzo(b)fluoranthene	1100	0	1200	ug/Kg	109		9		45	132	20
Benzo(k)fluoranthene	1100	0	1000	ug/Kg	91		2		47	132	20
Benzo(a)pyrene	1100	0	1200	ug/Kg	109		18		45	129	20
Indeno(1,2,3-cd)pyrene	1100	0	1200	ug/Kg	109		9		45	133	20
Dibenz(a,h)anthracene	1100	0	1200	ug/Kg	109		9		45	134	20
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100		11		43	134	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2259</u>	Analytical Method: <u>8270E</u>
Client: <u>Nobis Group</u>	DataFile: <u>BF142703.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168351BS	Naphthalene	1700	1600	ug/Kg	94				35	123		
	2-Methylnaphthalene	1700	1700	ug/Kg	100				38	122		
	Acenaphthylene	1700	1600	ug/Kg	94				32	132		
	Acenaphthene	1700	1700	ug/Kg	100				40	123		
	Fluorene	1700	1500	ug/Kg	88				43	125		
	Phenanthrene	1700	1600	ug/Kg	94				50	121		
	Anthracene	1700	1600	ug/Kg	94				47	123		
	Fluoranthene	1700	1700	ug/Kg	100				50	127		
	Pyrene	1700	1800	ug/Kg	106				47	127		
	Benzo(a)anthracene	1700	1700	ug/Kg	100				49	126		
	Chrysene	1700	1600	ug/Kg	94				50	124		
	Benzo(b)fluoranthene	1700	2100	ug/Kg	124				45	132		
	Benzo(k)fluoranthene	1700	2000	ug/Kg	118				47	132		
	Benzo(a)pyrene	1700	1700	ug/Kg	100				45	129		
	Indeno(1,2,3-cd)pyrene	1700	2100	ug/Kg	124				45	133		
	Dibenz(a,h)anthracene	1700	2100	ug/Kg	124				45	134		
	Benzo(g,h,i)perylene	1700	2100	ug/Kg	124				43	134		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168351BL

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259

SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: BF142702.D

Lab Sample ID: PB168351BL

Instrument ID: BNA_F

Date Extracted: 06/09/2025

Matrix: (soil/water) SOIL

Date Analyzed: 06/10/2025

Level: (low/med) LOW

Time Analyzed: 10:08

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168351BS	PB168351BS	BF142703.D	06/10/2025
OU4-PCS-TC-36-060525	Q2259-01	BF142704.D	06/10/2025
OU4-PCS-TC-37-060525	Q2259-03	BF142705.D	06/10/2025
WC-5MS	Q2266-05MS	BF142707.D	06/10/2025
WC-5MSD	Q2266-05MSD	BF142708.D	06/10/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM

SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: BF142687.D

DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_F

DFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	33.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	17.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142689.D	06/09/2025	13:09
SSTDICC005	SSTDICC005	BF142690.D	06/09/2025	13:38
SSTDICC010	SSTDICC010	BF142691.D	06/09/2025	14:07
SSTDICC020	SSTDICC020	BF142692.D	06/09/2025	14:36
SSTDICCC040	SSTDICCC040	BF142693.D	06/09/2025	15:05
SSTDICC050	SSTDICC050	BF142694.D	06/09/2025	15:34
SSTDICC060	SSTDICC060	BF142695.D	06/09/2025	16:03
SSTDICC080	SSTDICC080	BF142696.D	06/09/2025	16:32

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM

SAS No.: Q2259

SDG NO.: Q2259

Lab File ID: BF142700.D

DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_F

DFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.3
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	32.9
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	45.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142701.D	06/10/2025	09:39
PB168351BL	PB168351BL	BF142702.D	06/10/2025	10:08
PB168351BS	PB168351BS	BF142703.D	06/10/2025	10:37
OU4-PCS-TC-36-060525	Q2259-01	BF142704.D	06/10/2025	11:13
OU4-PCS-TC-37-060525	Q2259-03	BF142705.D	06/10/2025	11:42
WC-5MS	Q2266-05MS	BF142707.D	06/10/2025	12:41
WC-5MSD	Q2266-05MSD	BF142708.D	06/10/2025	13:10
SSTDCCC040EC	SSTDCCC040	BF142709.D	06/10/2025	13:44

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BF142701.D Time Analyzed: 09:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	82620	6.892	309806	8.18	166836	9.94
UPPER LIMIT	165240	7.392	619612	8.681	333672	10.439
LOWER LIMIT	41310	6.392	154903	7.681	83418	9.439
EPA SAMPLE NO.						
01 PB168351BL	92057	6.89	355567	8.18	195730	9.93
02 PB168351BS	87982	6.89	355357	8.18	234579	9.94
03 OU4-PCS-TC-36-060525	69278	6.89	257460	8.18	139574	9.93
04 OU4-PCS-TC-37-060525	75387	6.89	295072	8.18	163176	9.93
05 WC-5MS	72888	6.89	273042	8.18	145075	9.93
06 WC-5MSD	72257	6.89	275500	8.18	142711	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BF142701.D Time Analyzed: 09:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	293543	11.427	175532	14.068	161327	15.562
UPPER LIMIT	587086	11.927	351064	14.568	322654	16.062
LOWER LIMIT	146772	10.927	87766	13.568	80663.5	15.062
EPA SAMPLE NO.						
01 PB168351BL	351690	11.42	279030	14.07	202587	15.56
02 PB168351BS	361738	11.43	224252	14.07	175871	15.56
03 OU4-PCS-TC-36-060525	225221	11.42	140912	14.06	168989	15.56
04 OU4-PCS-TC-37-060525	267108	11.42	167914	14.06	224529	15.56
05 WC-5MS	232310	11.42	148312	14.07	175165	15.56
06 WC-5MSD	234155	11.42	165870	14.07	192181	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168351BL	SDG No.:	Q2259
Lab Sample ID:	PB168351BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142702.D	1	06/09/25 09:40	06/10/25 10:08	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	0.13	U	0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	0.13	U	0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	0.13	U	0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	0.13	U	0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	80.5		37 - 122		81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.5		44 - 115		78%	SPK: 100
1718-51-0	Terphenyl-d14	72.4		54 - 127		72%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92100	6.892				
1146-65-2	Naphthalene-d8	356000	8.175				
15067-26-2	Acenaphthene-d10	196000	9.933				
1517-22-2	Phenanthrene-d10	352000	11.422				
1719-03-5	Chrysene-d12	279000	14.068				
1520-96-3	Perylene-d12	203000	15.562				

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168351BL	SDG No.:	Q2259
Lab Sample ID:	PB168351BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142702.D	1	06/09/25 09:40	06/10/25 10:08	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168351BS	SDG No.:	Q2259
Lab Sample ID:	PB168351BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142703.D	1	06/09/25 09:40	06/10/25 10:37	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	-----	------------	-------------------

TARGETS

91-20-3	Naphthalene	1.60		0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.70		0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	1.60		0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	1.70		0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	1.50		0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	1.60		0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	1.60		0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	1.70		0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	1.80		0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.70		0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	1.60		0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.10		0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	2.00		0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.70		0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.10		0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	2.10		0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.10		0.026	0.13	0.17	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	81.6		37 - 122	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		44 - 115	78%	SPK: 100
1718-51-0	Terphenyl-d14	90.8		54 - 127	91%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	88000	6.893
1146-65-2	Naphthalene-d8	355000	8.181
15067-26-2	Acenaphthene-d10	235000	9.939
1517-22-2	Phenanthrene-d10	362000	11.428
1719-03-5	Chrysene-d12	224000	14.069
1520-96-3	Perylene-d12	176000	15.563

Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	PB168351BS		SDG No.:	Q2259
Lab Sample ID:	PB168351BS		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group3
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142703.D	1	06/09/25 09:40	06/10/25 10:37	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-5MS	SDG No.:	Q2259
Lab Sample ID:	Q2266-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142707.D	1	06/09/25 09:40	06/10/25 12:41	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.00		0.016	0.089	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.018	0.089	0.12	mg/Kg
208-96-8	Acenaphthylene	1.00		0.020	0.089	0.12	mg/Kg
83-32-9	Acenaphthene	1.10		0.015	0.089	0.12	mg/Kg
86-73-7	Fluorene	0.97		0.017	0.089	0.12	mg/Kg
85-01-8	Phenanthrene	1.00		0.014	0.089	0.12	mg/Kg
120-12-7	Anthracene	1.00		0.023	0.089	0.12	mg/Kg
206-44-0	Fluoranthene	1.00		0.021	0.089	0.12	mg/Kg
129-00-0	Pyrene	1.00		0.025	0.089	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.016	0.089	0.12	mg/Kg
218-01-9	Chrysene	1.10		0.014	0.089	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.013	0.089	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.98		0.015	0.089	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.00		0.020	0.089	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.10		0.020	0.089	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.10		0.019	0.089	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.99		0.018	0.089	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	49.8		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.7		44 - 115		51%	SPK: 100
1718-51-0	Terphenyl-d14	52.4	*	54 - 127		52%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72900		6.892			
1146-65-2	Naphthalene-d8	273000		8.181			
15067-26-2	Acenaphthene-d10	145000		9.933			
1517-22-2	Phenanthrene-d10	232000		11.422			
1719-03-5	Chrysene-d12	148000		14.068			
1520-96-3	Perylene-d12	175000		15.562			

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-5MS	SDG No.:	Q2259
Lab Sample ID:	Q2266-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142707.D	1	06/09/25 09:40	06/10/25 12:41	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-5MSD	SDG No.:	Q2259
Lab Sample ID:	Q2266-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.6
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142708.D	1	06/09/25 09:40	06/10/25 13:10	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.10		0.016	0.089	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.018	0.089	0.12	mg/Kg
208-96-8	Acenaphthylene	1.10		0.020	0.089	0.12	mg/Kg
83-32-9	Acenaphthene	1.20		0.015	0.089	0.12	mg/Kg
86-73-7	Fluorene	1.00		0.017	0.089	0.12	mg/Kg
85-01-8	Phenanthrene	1.10		0.014	0.089	0.12	mg/Kg
120-12-7	Anthracene	1.10		0.023	0.089	0.12	mg/Kg
206-44-0	Fluoranthene	1.20		0.021	0.089	0.12	mg/Kg
129-00-0	Pyrene	1.10		0.025	0.089	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.016	0.089	0.12	mg/Kg
218-01-9	Chrysene	1.10		0.014	0.089	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.20		0.013	0.089	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.00		0.015	0.089	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.020	0.089	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.20		0.020	0.089	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.20		0.019	0.089	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.10		0.018	0.089	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	51.2		37 - 122		51%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.3		44 - 115		53%	SPK: 100
1718-51-0	Terphenyl-d14	54.3		54 - 127		54%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72300	6.892				
1146-65-2	Naphthalene-d8	276000	8.181				
15067-26-2	Acenaphthene-d10	143000	9.933				
1517-22-2	Phenanthrene-d10	234000	11.422				
1719-03-5	Chrysene-d12	166000	14.068				
1520-96-3	Perylene-d12	192000	15.562				

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-5MSD	SDG No.:	Q2259
Lab Sample ID:	Q2266-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.6
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142708.D	1	06/09/25 09:40	06/10/25 13:10	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03
Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259
Instrument ID: BNA_F Calibration Date(s): 06/09/2025 06/09/2025
Calibration Time(s): 13:09 16:32

LAB FILE ID:		RRF2.5 = BF142689.D			RRF005 = BF142690.D		RRF010 = BF142691.D	
		RRF020 = BF142692.D			RRF040 = BF142693.D		RRF050 = BF142694.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.193	1.215	1.304	1.144	1.233	1.178	7.2
Phenol-d6		1.416	1.375	1.356	1.383	1.460	1.381	3.4
Nitrobenzene-d5		0.349	0.364	0.367	0.353	0.388	0.364	4.4
Naphthalene		1.064	1.003	1.008	0.971	1.005	0.986	5.4
2-Methylnaphthalene		0.643	0.663	0.661	0.562	0.637	0.620	7.4
2-Fluorobiphenyl		1.689	1.612	1.526	1.372	1.423	1.462	10.8
Acenaphthylene		2.008	2.000	2.035	1.894	1.980	1.931	5.6
Acenaphthene		1.269	1.219	1.117	1.172	1.238	1.181	5.4
Fluorene		1.415	1.486	1.218	1.293	1.475	1.355	8.0
2,4,6-Tribromophenol		0.222	0.222	0.201	0.218	0.249	0.225	6.8
Phenanthrene		1.173	1.115	1.118	1.032	1.085	1.069	7.2
Anthracene		1.213	1.157	1.145	1.077	1.147	1.110	7.0
Fluoranthene		1.261	1.136	1.045	1.180	1.025	1.071	12.1
Pyrene		1.743	1.587	1.588	1.466	1.723	1.630	7.7
Terphenyl-d14		1.427	1.275	1.289	1.098	1.302	1.265	9.9
Benzo (a) anthracene		1.322	1.253	1.356	1.287	1.345	1.298	4.1
Chrysene		1.327	1.226	1.196	1.200	1.265	1.229	4.4
Benzo (b) fluoranthene		1.196	1.122	1.277	1.136	1.323	1.195	6.7
Benzo (k) fluoranthene		1.396	1.063	1.092	1.185	1.086	1.124	11.8
Benzo (a) pyrene		1.193	1.101	1.120	1.103	1.162	1.120	4.1
Indeno (1,2,3-cd) pyrene		1.273	1.361	1.426	1.416	1.545	1.415	7.2
Dibenzo (a,h) anthracene		0.995	1.098	1.163	1.129	1.252	1.139	8.4
Benzo (g,h,i) perylene		1.068	1.099	1.149	1.145	1.414	1.179	10.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: BNA_F Calibration Date/Time: 06/10/2025 09:39

Lab File ID: BF142701.D Init. Calib. Date(s): 06/09/2025 06/09/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:09 16:32

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.169		-0.8	
Phenol-d6	1.381	1.389		0.6	
Nitrobenzene-d5	0.364	0.361		-0.8	
Naphthalene	0.986	0.964		-2.2	
2-Methylnaphthalene	0.620	0.597		-3.7	
2-Fluorobiphenyl	1.462	1.415		-3.2	
Acenaphthylene	1.931	1.879		-2.7	
Acenaphthene	1.181	1.157		-2.0	20.0
Fluorene	1.355	1.285		-5.2	
2,4,6-Tribromophenol	0.225	0.215		-4.4	
Phenanthrene	1.069	1.023		-4.3	
Anthracene	1.110	1.066		-4.0	
Fluoranthene	1.071	1.067		-0.4	20.0
Pyrene	1.630	1.770		8.6	
Terphenyl-d14	1.265	1.356		7.2	
Benzo (a) anthracene	1.298	1.301		0.2	
Chrysene	1.229	1.150		-6.4	
Benzo (b) fluoranthene	1.195	1.209		1.2	
Benzo (k) fluoranthene	1.124	1.099		-2.2	
Benzo (a) pyrene	1.120	1.103		-1.5	20.0
Indeno (1,2,3-cd) pyrene	1.415	1.445		2.1	
Dibenzo (a,h) anthracene	1.139	1.178		3.4	
Benzo (g,h,i) perylene	1.179	1.192		1.1	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: BNA_F Calibration Date/Time: 06/10/2025 13:44

Lab File ID: BF142709.D Init. Calib. Date(s): 06/09/2025 06/09/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:09 16:32

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.176		-0.2	50.0
Phenol-d6	1.381	1.390		0.7	50.0
Nitrobenzene-d5	0.364	0.362		-0.5	50.0
Naphthalene	0.986	0.968		-1.8	50.0
2-Methylnaphthalene	0.620	0.605		-2.4	50.0
2-Fluorobiphenyl	1.462	1.453		-0.6	50.0
Acenaphthylene	1.931	1.886		-2.3	50.0
Acenaphthene	1.181	1.160		-1.8	50.0
Fluorene	1.355	1.273		-6.1	50.0
2,4,6-Tribromophenol	0.225	0.209		-7.1	50.0
Phenanthrene	1.069	1.051		-1.7	50.0
Anthracene	1.110	1.086		-2.2	50.0
Fluoranthene	1.071	0.973		-9.1	50.0
Pyrene	1.630	1.723		5.7	50.0
Terphenyl-d14	1.265	1.333		5.4	50.0
Benzo (a) anthracene	1.298	1.263		-2.7	50.0
Chrysene	1.229	1.229		0.0	50.0
Benzo (b) fluoranthene	1.195	1.191		-0.3	50.0
Benzo (k) fluoranthene	1.124	0.977		-13.1	50.0
Benzo (a) pyrene	1.120	1.099		-1.9	50.0
Indeno (1,2,3-cd) pyrene	1.415	1.598		12.9	50.0
Dibenzo (a,h) anthracene	1.139	1.299		14.0	50.0
Benzo (g,h,i) perylene	1.179	1.302		10.4	50.0

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	Q2259	OrderDate:	6/6/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	OU4-PCS-TC-36-0605 25	SOIL			06/05/25			06/06/25
			Herbicide Group1	8151A		06/10/25	06/10/25	
			PCB	8082A		06/09/25	06/09/25	
			Pesticide-TCL	8081B		06/09/25	06/11/25	
Q2259-03	OU4-PCS-TC-37-0605 25	SOIL			06/05/25			06/06/25
			Herbicide Group1	8151A		06/10/25	06/10/25	
			PCB	8082A		06/09/25	06/09/25	
			Pesticide-TCL	8081B		06/09/25	06/11/25	



SAMPLE DATA

Report of Analysis

Client:	Nobis Group		Date Collected:	06/05/25
Project:	Raymark Superfund Site		Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525		SDG No.:	Q2259
Lab Sample ID:	Q2259-01		Matrix:	SOIL
Analytical Method:	8151A		% Solid:	94.3
Sample Wt/Vol:	30.03 g	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date: 06/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.035	U	1	0.0082	0.035	0.071	mg/Kg	06/10/25 18:00	PB168375
75-99-0	DALAPON	0.053	U	1	0.019	0.053	0.071	mg/Kg	06/10/25 18:00	PB168375
120-36-5	DICHLORPROP	0.035	U	1	0.014	0.035	0.071	mg/Kg	06/10/25 18:00	PB168375
94-75-7	2,4-D	0.035	U	1	0.0096	0.035	0.071	mg/Kg	06/10/25 18:00	PB168375
93-72-1	2,4,5-TP (Silvex)	0.035	U	1	0.0096	0.035	0.071	mg/Kg	06/10/25 18:00	PB168375
93-76-5	2,4,5-T	0.035	U	1	0.0092	0.035	0.071	mg/Kg	06/10/25 18:00	PB168375
94-82-6	2,4-DB	0.035	U	1	0.026	0.035	0.071	mg/Kg	06/10/25 18:00	PB168375
88-85-7	DINOSEB	0.035	U	1	0.011	0.035	0.071	mg/Kg	06/10/25 18:00	PB168375
SURROGATES										
19719-28-9	2,4-DCAA	321			27 - 122		64%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/05/25
Project:	Raymark Superfund Site		Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525		SDG No.:	Q2259
Lab Sample ID:	Q2259-03		Matrix:	SOIL
Analytical Method:	8151A		% Solid:	94.3
Sample Wt/Vol:	30.08 g	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date: 06/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.035	U	1	0.0082	0.035	0.071	mg/Kg	06/10/25 18:24	PB168375
75-99-0	DALAPON	0.053	U	1	0.019	0.053	0.071	mg/Kg	06/10/25 18:24	PB168375
120-36-5	DICHLORPROP	0.035	U	1	0.014	0.035	0.071	mg/Kg	06/10/25 18:24	PB168375
94-75-7	2,4-D	0.035	U	1	0.0096	0.035	0.071	mg/Kg	06/10/25 18:24	PB168375
93-72-1	2,4,5-TP (Silvex)	0.035	U	1	0.0096	0.035	0.071	mg/Kg	06/10/25 18:24	PB168375
93-76-5	2,4,5-T	0.035	U	1	0.0092	0.035	0.071	mg/Kg	06/10/25 18:24	PB168375
94-82-6	2,4-DB	0.035	U	1	0.026	0.035	0.071	mg/Kg	06/10/25 18:24	PB168375
88-85-7	DINOSEB	0.035	U	1	0.011	0.035	0.071	mg/Kg	06/10/25 18:24	PB168375
SURROGATES										
19719-28-9	2,4-DCAA	171			27 - 122		34%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **Q2259**

Client: **Nobis Group**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS030475.D	PIBLK-PS030475.D	2,4-DCAA	1	500	414	83		32	138
		2,4-DCAA	2	500	445	89		32	138
I.BLK-PS030593.D	PIBLK-PS030593.D	2,4-DCAA	1	500	459	92		32	138
		2,4-DCAA	2	500	475	95		32	138
Q2259-01	OU4-PCS-TC-36-060525	2,4-DCAA	1	500	303	61		27	122
		2,4-DCAA	2	500	321	64		27	122
Q2259-03	OU4-PCS-TC-37-060525	2,4-DCAA	1	500	154	31		27	122
		2,4-DCAA	2	500	171	34		27	122
I.BLK-PS030605.D	PIBLK-PS030605.D	2,4-DCAA	1	500	452	90		32	138
		2,4-DCAA	2	500	481	96		32	138
I.BLK-PS030620.D	PIBLK-PS030620.D	2,4-DCAA	1	500	449	90		32	138
		2,4-DCAA	2	500	487	97		32	138
PB168375BS	PB168375BS	2,4-DCAA	1	500	499	100		27	122
		2,4-DCAA	2	500	486	97		27	122
I.BLK-PS030629.D	PIBLK-PS030629.D	2,4-DCAA	1	500	452	90		32	138
		2,4-DCAA	2	500	492	98		32	138
I.BLK-PS030680.D	PIBLK-PS030680.D	2,4-DCAA	1	500	396	79		32	138
		2,4-DCAA	2	500	472	94		32	138
I.BLK-PS030687.D	PIBLK-PS030687.D	2,4-DCAA	1	500	401	80		32	138
		2,4-DCAA	2	500	473	95		32	138
PB168375BL	PB168375BL	2,4-DCAA	1	500	384	77		27	122
		2,4-DCAA	2	500	404	81		27	122
I.BLK-PS030697.D	PIBLK-PS030697.D	2,4-DCAA	1	500	446	89		32	138
		2,4-DCAA	2	500	477	95		32	138
I.BLK-PS030738.D	PIBLK-PS030738.D	2,4-DCAA	1	500	414	83		32	138
		2,4-DCAA	2	500	487	97		32	138
I.BLK-PS030752.D	PIBLK-PS030752.D	2,4-DCAA	1	500	430	86		32	138
		2,4-DCAA	2	500	492	98		32	138
Q2266-01MS	WC-3MS	2,4-DCAA	1	500	460	92		27	122
		2,4-DCAA	2	500	463	93		27	122
Q2266-01MSD	WC-3MSD	2,4-DCAA	1	500	460	92		27	122
		2,4-DCAA	2	500	459	92		27	122
I.BLK-PS030756.D	PIBLK-PS030756.D	2,4-DCAA	1	500	431	86		32	138
		2,4-DCAA	2	500	497	99		32	138

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Nobis Group</u>	DataFile :	<u>PS030754.D</u>

			Sample			Rec		RPD		Limits		
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2266-01MS	Client Sample ID:	WC-3MS									
	(Column 1)											
	DICAMBA		187.9	0	141	ug/Kg	75			38	132	
	Dalapon		187.9	0	66.2	ug/Kg	35	*		70	130	
	DICHLORPROP		187.9	0	150	ug/Kg	80			28	155	
	2,4-D		187.9	0	170	ug/Kg	90			28	144	
	2,4,5-TP(Silvex)		187.9	0	164	ug/Kg	87			43	129	
	2,4,5-T		187.9	0	154	ug/Kg	82			31	138	
	2,4-DB		187.9	0	146	ug/Kg	78			34	142	
Dinoseb	187.9	0	86.5	ug/Kg	46	*		57	152			
Lab Sample ID:	Q2266-01MS	Client Sample ID:	WC-3MS									
	(Column 2)											
	DICAMBA		187.9	0	140	ug/Kg	75			38	132	
	Dalapon		187.9	0	228	ug/Kg	121	*		70	130	
	DICHLORPROP		187.9	0	145	ug/Kg	77			28	155	
	2,4-D		187.9	0	166	ug/Kg	88			28	144	
	2,4,5-TP(Silvex)		187.9	0	235	ug/Kg	125			43	129	
	2,4,5-T		187.9	0	156	ug/Kg	83			31	138	
	2,4-DB		187.9	0	154	ug/Kg	82			34	142	
Dinoseb	187.9	0	81.8	ug/Kg	44	*		57	152			

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Nobis Group</u>	DataFile :	<u>PS030755.D</u>

			Sample			Rec		RPD		Limits		
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2266-01MSD	Client Sample ID:		WC-3MSD								
	(Column 1)											
	DICAMBA	188	0	142	ug/Kg	76		1		38	132	20
	Dalapon	188	0	64.2	ug/Kg	34	*	3		70	130	20
	DICHLORPROP	188	0	150	ug/Kg	80		0		28	155	20
	2,4-D	188	0	170	ug/Kg	90		0		28	144	20
	2,4,5-TP(Silvex)	188	0	164	ug/Kg	87		0		43	129	20
	2,4,5-T	188	0	153	ug/Kg	81		1		31	138	20
	2,4-DB	188	0	144	ug/Kg	77		1		34	142	20
	Dinoseb	188	0	86.6	ug/Kg	46	*	0		57	152	20
Lab Sample ID:	Q2266-01MSD	Client Sample ID:		WC-3MSD								
	(Column 2)											
	DICAMBA	188	0	140	ug/Kg	74		1		38	132	20
	Dalapon	188	0	233	ug/Kg	124	*	2		70	130	20
	DICHLORPROP	188	0	147	ug/Kg	78		1		28	155	20
	2,4-D	188	0	168	ug/Kg	89		1		28	144	20
	2,4,5-TP(Silvex)	188	0	235	ug/Kg	125		0		43	129	20
	2,4,5-T	188	0	155	ug/Kg	82		1		31	138	20
	2,4-DB	188	0	153	ug/Kg	81		1		34	142	20
	Dinoseb	188	0	81.7	ug/Kg	43	*	2		57	152	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>PS030628.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168375BS (Column 1)	DICAMBA	166.6	160	ug/Kg	96				38	132		
	Dalapon	166.6	156	ug/Kg	94				70	130		
	DICHLORPROP	166.6	154	ug/Kg	92				28	155		
	2,4-D	166.6	155	ug/Kg	93				28	144		
	2,4,5-TP(Silvex)	166.6	159	ug/Kg	95				43	129		
	2,4,5-T	166.6	150	ug/Kg	90				31	138		
	2,4-DB	166.6	136	ug/Kg	82				34	142		
	Dinoseb	166.6	154	ug/Kg	92				57	152		
	DICAMBA	166.6	156	ug/Kg	94				38	132		
PB168375BS (Column 2)	Dalapon	166.6	150	ug/Kg	90				70	130		
	DICHLORPROP	166.6	157	ug/Kg	94				28	155		
	2,4-D	166.6	162	ug/Kg	97				28	144		
	2,4,5-TP(Silvex)	166.6	161	ug/Kg	97				43	129		
	2,4,5-T	166.6	160	ug/Kg	96				31	138		
	2,4-DB	166.6	156	ug/Kg	94				34	142		
	Dinoseb	166.6	157	ug/Kg	94				57	152		

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168375BL

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab Sample ID: PB168375BL

Lab File ID: PS030692.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/10/2025

Date Analyzed (1): 06/16/2025

Date Analyzed (2): 06/16/2025

Time Analyzed (1): 14:53

Time Analyzed (2): 14:53

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm)

GC Column (2): RTX-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
OU4-PCS-TC-36-060525	Q2259-01	PS030601.D	06/10/2025	06/10/2025
OU4-PCS-TC-37-060525	Q2259-03	PS030602.D	06/10/2025	06/10/2025
PB168375BS	PB168375BS	PS030628.D	06/11/2025	06/11/2025
WC-3MS	Q2266-01MS	PS030754.D	06/19/2025	06/19/2025
WC-3MSD	Q2266-01MSD	PS030755.D	06/19/2025	06/19/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168375BL	SDG No.:	Q2259
Lab Sample ID:	PB168375BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	10000 uL
Prep Method:	8151A	Test:	Herbicide Group1
	Prep Date: 06/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.033	U	1	0.0077	0.033	0.067	mg/Kg	06/16/25 14:53	PB168375
75-99-0	DALAPON	0.050	U	1	0.018	0.050	0.067	mg/Kg	06/16/25 14:53	PB168375
120-36-5	DICHLORPROP	0.033	U	1	0.013	0.033	0.067	mg/Kg	06/16/25 14:53	PB168375
94-75-7	2,4-D	0.033	U	1	0.0090	0.033	0.067	mg/Kg	06/16/25 14:53	PB168375
93-72-1	2,4,5-TP (Silvex)	0.033	U	1	0.0091	0.033	0.067	mg/Kg	06/16/25 14:53	PB168375
93-76-5	2,4,5-T	0.033	U	1	0.0087	0.033	0.067	mg/Kg	06/16/25 14:53	PB168375
94-82-6	2,4-DB	0.033	U	1	0.024	0.033	0.067	mg/Kg	06/16/25 14:53	PB168375
88-85-7	DINOSEB	0.033	U	1	0.011	0.033	0.067	mg/Kg	06/16/25 14:53	PB168375
SURROGATES										
19719-28-9	2,4-DCAA	404			27 - 122		81%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/04/25
Project:	Raymark Superfund Site		Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030475.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030475.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/04/25	PS060425
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/04/25	PS060425
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/04/25	PS060425
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/04/25	PS060425
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/04/25	PS060425
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/04/25	PS060425
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/04/25	PS060425
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/04/25	PS060425
SURROGATES										
19719-28-9	2,4-DCAA	445			32 - 138		89%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/10/25
Project:	Raymark Superfund Site		Date Received:	06/10/25
Client Sample ID:	PIBLK-PS030593.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030593.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/10/25	ps061025
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/10/25	ps061025
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/10/25	ps061025
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/10/25	ps061025
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/10/25	ps061025
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/10/25	ps061025
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/10/25	ps061025
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/10/25	ps061025
SURROGATES										
19719-28-9	2,4-DCAA	475			32 - 138		95%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/10/25
Project:	Raymark Superfund Site		Date Received:	06/10/25
Client Sample ID:	PIBLK-PS030605.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030605.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/10/25	ps061025
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/10/25	ps061025
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/10/25	ps061025
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/10/25	ps061025
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/10/25	ps061025
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/10/25	ps061025
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/10/25	ps061025
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/10/25	ps061025
SURROGATES										
19719-28-9	2,4-DCAA	481			32 - 138		96%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/11/25
Project:	Raymark Superfund Site		Date Received:	06/11/25
Client Sample ID:	PIBLK-PS030620.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030620.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/11/25	ps061125
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/11/25	ps061125
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/11/25	ps061125
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/11/25	ps061125
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/11/25	ps061125
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/11/25	ps061125
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/11/25	ps061125
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/11/25	ps061125
SURROGATES										
19719-28-9	2,4-DCAA	487			32 - 138		97%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/11/25
Project:	Raymark Superfund Site		Date Received:	06/11/25
Client Sample ID:	PIBLK-PS030629.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030629.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/11/25	ps061125
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/11/25	ps061125
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/11/25	ps061125
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/11/25	ps061125
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/11/25	ps061125
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/11/25	ps061125
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/11/25	ps061125
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/11/25	ps061125
SURROGATES										
19719-28-9	2,4-DCAA	492			32 - 138		98%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/16/25
Project:	Raymark Superfund Site		Date Received:	06/16/25
Client Sample ID:	PIBLK-PS030680.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030680.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/16/25	PS061625
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/16/25	PS061625
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/16/25	PS061625
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/16/25	PS061625
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/16/25	PS061625
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/16/25	PS061625
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/16/25	PS061625
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/16/25	PS061625
SURROGATES										
19719-28-9	2,4-DCAA	472			32 - 138		94%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/16/25
Project:	Raymark Superfund Site		Date Received:	06/16/25
Client Sample ID:	PIBLK-PS030687.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030687.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/16/25	PS061625
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/16/25	PS061625
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/16/25	PS061625
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/16/25	PS061625
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/16/25	PS061625
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/16/25	PS061625
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/16/25	PS061625
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/16/25	PS061625
SURROGATES										
19719-28-9	2,4-DCAA	473			32 - 138		95%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/16/25
Project:	Raymark Superfund Site		Date Received:	06/16/25
Client Sample ID:	PIBLK-PS030697.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030697.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/16/25	ps061625
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/16/25	ps061625
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/16/25	ps061625
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/16/25	ps061625
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/16/25	ps061625
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/16/25	ps061625
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/16/25	ps061625
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/16/25	ps061625
SURROGATES										
19719-28-9	2,4-DCAA	477			32 - 138		95%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/18/25
Project:	Raymark Superfund Site		Date Received:	06/18/25
Client Sample ID:	PIBLK-PS030738.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030738.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/18/25	PS061825
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/18/25	PS061825
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/18/25	PS061825
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/18/25	PS061825
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/18/25	PS061825
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/18/25	PS061825
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/18/25	PS061825
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/18/25	PS061825
SURROGATES										
19719-28-9	2,4-DCAA	487			32 - 138		97%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/19/25
Project:	Raymark Superfund Site		Date Received:	06/19/25
Client Sample ID:	PIBLK-PS030752.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030752.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/19/25	ps061925
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/19/25	ps061925
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/19/25	ps061925
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/19/25	ps061925
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/19/25	ps061925
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/19/25	ps061925
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/19/25	ps061925
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/19/25	ps061925
SURROGATES										
19719-28-9	2,4-DCAA	492			32 - 138		98%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	06/19/25
Project:	Raymark Superfund Site		Date Received:	06/19/25
Client Sample ID:	PIBLK-PS030756.D		SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030756.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/19/25	ps061925
75-99-0	DALAPON	0.0015	U	1	0.00098	0.0015	0.0020	mg/L	06/19/25	ps061925
120-36-5	DICHLORPROP	0.0015	U	1	0.00076	0.0015	0.0020	mg/L	06/19/25	ps061925
94-75-7	2,4-D	0.0015	U	1	0.00092	0.0015	0.0020	mg/L	06/19/25	ps061925
93-72-1	2,4,5-TP (Silvex)	0.0015	U	1	0.00078	0.0015	0.0020	mg/L	06/19/25	ps061925
93-76-5	2,4,5-T	0.0015	U	1	0.00071	0.0015	0.0020	mg/L	06/19/25	ps061925
94-82-6	2,4-DB	0.0015	U	1	0.00065	0.0015	0.0020	mg/L	06/19/25	ps061925
88-85-7	DINOSEB	0.0015	U	1	0.00089	0.0015	0.0020	mg/L	06/19/25	ps061925
SURROGATES										
19719-28-9	2,4-DCAA	497			32 - 138		99%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	PB168375BS		SDG No.:	Q2259
Lab Sample ID:	PB168375BS		Matrix:	SOIL
Analytical Method:	8151A		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test:	Herbicide Group1
Prep Method:	8151A	Prep Date: 06/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.16		1	0.0077	0.033	0.067	mg/Kg	06/11/25 14:06	PB168375
75-99-0	DALAPON	0.16		1	0.018	0.050	0.067	mg/Kg	06/11/25 14:06	PB168375
120-36-5	DICHLORPROP	0.16		1	0.013	0.033	0.067	mg/Kg	06/11/25 14:06	PB168375
94-75-7	2,4-D	0.16		1	0.0090	0.033	0.067	mg/Kg	06/11/25 14:06	PB168375
93-72-1	2,4,5-TP (Silvex)	0.16		1	0.0091	0.033	0.067	mg/Kg	06/11/25 14:06	PB168375
93-76-5	2,4,5-T	0.16		1	0.0087	0.033	0.067	mg/Kg	06/11/25 14:06	PB168375
94-82-6	2,4-DB	0.16		1	0.024	0.033	0.067	mg/Kg	06/11/25 14:06	PB168375
88-85-7	DINOSEB	0.16		1	0.011	0.033	0.067	mg/Kg	06/11/25 14:06	PB168375
SURROGATES										
19719-28-9	2,4-DCAA	499			27 - 122		100%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-3MS	SDG No.:	Q2259
Lab Sample ID:	Q2266-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.6
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL
Prep Method:	8151A	Test:	Herbicide Group1
	Prep Date:	06/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.14		1	0.0087	0.037	0.076	mg/Kg	06/19/25 09:50	PB168375
75-99-0	DALAPON	0.23	P	1	0.020	0.056	0.076	mg/Kg	06/19/25 09:50	PB168375
120-36-5	DICHLORPROP	0.15		1	0.014	0.037	0.076	mg/Kg	06/19/25 09:50	PB168375
94-75-7	2,4-D	0.17		1	0.010	0.037	0.076	mg/Kg	06/19/25 09:50	PB168375
93-72-1	2,4,5-TP (Silvex)	0.24		1	0.010	0.037	0.076	mg/Kg	06/19/25 09:50	PB168375
93-76-5	2,4,5-T	0.16		1	0.0098	0.037	0.076	mg/Kg	06/19/25 09:50	PB168375
94-82-6	2,4-DB	0.15		1	0.027	0.037	0.076	mg/Kg	06/19/25 09:50	PB168375
88-85-7	DINOSEB	0.087		1	0.012	0.037	0.076	mg/Kg	06/19/25 09:50	PB168375
SURROGATES										
19719-28-9	2,4-DCAA	463			27 - 122		93%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2259
Lab Sample ID:	Q2266-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.6
Sample Wt/Vol:	30.01 g	Final Vol:	10000 uL
Prep Method:	8151A	Test:	Herbicide Group1
	Prep Date:	06/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
1918-00-9	DICAMBA	0.14		1	0.0087	0.037	0.076	mg/Kg	06/19/25 10:18	PB168375
75-99-0	DALAPON	0.23	P	1	0.020	0.056	0.076	mg/Kg	06/19/25 10:18	PB168375
120-36-5	DICHLORPROP	0.15		1	0.014	0.037	0.076	mg/Kg	06/19/25 10:18	PB168375
94-75-7	2,4-D	0.17		1	0.010	0.037	0.076	mg/Kg	06/19/25 10:18	PB168375
93-72-1	2,4,5-TP (Silvex)	0.24		1	0.010	0.037	0.076	mg/Kg	06/19/25 10:18	PB168375
93-76-5	2,4,5-T	0.16		1	0.0098	0.037	0.076	mg/Kg	06/19/25 10:18	PB168375
94-82-6	2,4-DB	0.15		1	0.027	0.037	0.076	mg/Kg	06/19/25 10:18	PB168375
88-85-7	DINOSEB	0.087		1	0.012	0.037	0.076	mg/Kg	06/19/25 10:18	PB168375
SURROGATES										
19719-28-9	2,4-DCAA	460			27 - 122		92%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
		Calibration Times:	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS030476.D</u>	RT 500 = <u>PS030477.D</u>
RT 750 = <u>PS030478.D</u>	RT 1000 = <u>PS030479.D</u>	RT 1500 = <u>PS030480.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	9.70	9.70	9.70	9.70	9.70	9.70	9.60	9.80
2,4,5-TP(Silvex)	9.40	9.40	9.40	9.40	9.40	9.40	9.30	9.50
2,4-D	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
2,4-DB	10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
2,4-DCAA	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Dalapon	2.72	2.72	2.72	2.71	2.72	2.72	2.62	2.82
DICAMBA	7.56	7.56	7.56	7.56	7.56	7.56	7.46	7.66
DICHLORPROP	8.28	8.28	8.28	8.28	8.28	8.28	8.18	8.38
Dinoseb	11.50	11.50	11.50	11.50	11.50	11.50	11.40	11.60

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
		Calibration Times:	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS030476.D</u>	RT 500 = <u>PS030477.D</u>
	RT 750 = <u>PS030478.D</u>	RT 1000 = <u>PS030479.D</u>
		RT 1500 = <u>PS030480.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	10.37	10.37	10.37	10.37	10.37	10.37	10.27	10.47
2,4,5-TP(Silvex)	9.94	9.94	9.94	9.94	9.94	9.94	9.84	10.04
2,4-D	9.03	9.03	9.03	9.04	9.04	9.03	8.93	9.13
2,4-DB	10.94	10.94	10.94	10.94	10.94	10.94	10.84	11.04
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.98	7.98	7.98	7.98	7.98	7.98	7.88	8.08
DICHLORPROP	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Dinoseb	11.32	11.32	11.32	11.32	11.32	11.32	11.22	11.42

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: NOBI03
SDG NO.: Q2259

Calibration Date(s): 06/04/2025 06/04/2025
Calibration Times: 11:19 12:55

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS030476.D</u>	CF 500 =	<u>PS030477.D</u>		
CF 750 =		<u>PS030478.D</u>	CF 1000 =	<u>PS030479.D</u>	CF 1500 =	<u>PS030480.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	20110200000	18445100000	18262000000	18165800000	17172200000	18431100000	6
2,4,5-TP(Silvex)	23444500000	20930200000	20252400000	19918900000	18779400000	20665100000	8
2,4-D	4208920000	3650560000	3531620000	3494410000	3332550000	3643610000	9
2,4-DB	3187030000	2969900000	2987600000	3055150000	2982130000	3036360000	3
2,4-DCAA	4505990000	3745160000	3587820000	3627070000	3409690000	3775150000	11
Dalapon	6635610000	5627170000	5409030000	5378230000	5184820000	5646970000	10
DICAMBA	17545300000	15532100000	14992100000	14866500000	14176500000	15422500000	8
DICHLORPROP	4363010000	3637540000	3480040000	3430450000	3279680000	3638150000	12
Dinoseb	16280300000	14486300000	14010300000	13907800000	13190000000	14374900000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: NOBI03
SDG NO.: Q2259

Calibration Date(s): 06/04/2025 06/04/2025
Calibration Times: 11:19 12:55

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:CF 200 = PS030476.DCF 500 = PS030477.DCF 750 = PS030478.DCF 1000 = PS030479.DCF 1500 = PS030480.D							
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	14777200000	13128600000	12724600000	12611900000	12043300000	13057100000	8
2,4,5-TP(Silvex)	15627400000	13837500000	13337200000	13203400000	12578300000	13716700000	8
2,4-D	1858730000	1575260000	1504430000	1488570000	1434610000	1572320000	11
2,4-DB	1329650000	1149370000	1105700000	1098150000	1064880000	1149550000	9
2,4-DCAA	1341960000	1066160000	1011260000	997042000	961634000	1075610000	14
Dalapon	3198400000	2714060000	2628110000	2611790000	2547720000	2740010000	10
DICAMBA	7190560000	6384370000	6250780000	6263160000	6119370000	6441650000	7
DICHLORPROP	1789880000	1480180000	1413150000	1395780000	1342020000	1484200000	12
Dinoseb	11251500000	10033800000	9761280000	9784360000	9419650000	10050100000	7

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2259

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>06/16/2025</u> <u>06/16/2025</u>
		Calibration Times:	<u>09:56</u> <u>11:33</u>

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS030681.D</u>	RT 500 = <u>PS030682.D</u>
	RT 750 = <u>PS030683.D</u>	RT 1000 = <u>PS030684.D</u>
		RT 1500 = <u>PS030685.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	9.67	9.67	9.67	9.67	9.67	9.67	9.57	9.77
2,4,5-TP(Silvex)	9.38	9.38	9.38	9.38	9.38	9.38	9.28	9.48
2,4-D	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59
2,4-DB	10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
2,4-DCAA	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
DICHLORPROP	8.26	8.26	8.26	8.26	8.26	8.26	8.16	8.36
Dinoseb	11.47	11.47	11.47	11.47	11.47	11.47	11.37	11.57

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>06/16/2025</u> <u>06/16/2025</u>
		Calibration Times:	<u>09:56</u> <u>11:33</u>

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS030681.D</u>	RT 500 = <u>PS030682.D</u>
	RT 750 = <u>PS030683.D</u>	RT 1000 = <u>PS030684.D</u>
		RT 1500 = <u>PS030685.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	10.36	10.36	10.36	10.36	10.36	10.36	10.26	10.46
2,4,5-TP(Silvex)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.03	9.03	9.03	9.03	9.03	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.93	10.93	10.93	10.93	10.83	11.03
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Dinoseb	11.31	11.31	11.31	11.31	11.31	11.31	11.21	11.41

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: NOBI03
SDG NO.: Q2259

Calibration Date(s): 06/16/2025 06/16/2025
Calibration Times: 09:56 11:33

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS030681.D</u>	CF 500 =	<u>PS030682.D</u>		
CF 750 =		<u>PS030683.D</u>	CF 1000 =	<u>PS030684.D</u>	CF 1500 =	<u>PS030685.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	18265800000	16595800000	15952500000	16369700000	15956500000	16628000000	6
2,4,5-TP(Silvex)	23310400000	20262400000	19069000000	19162800000	18229500000	20006800000	10
2,4-D	4118600000	3402180000	3170830000	3194800000	3115400000	3400360000	12
2,4-DB	2687540000	2421860000	2331680000	2442280000	2472420000	2471160000	5
2,4-DCAA	4709630000	3856360000	3484750000	3444780000	3308550000	3760820000	15
Dalapon	7936360000	6077670000	5918880000	5797590000	5543240000	6254750000	15
DICAMBA	18641000000	15828600000	14853200000	14791400000	14113600000	15645600000	11
DICHLORPROP	4824510000	3684510000	3347530000	3324590000	3195220000	3675270000	18
Dinoseb	16437900000	14233600000	13458200000	13613400000	13063700000	14161400000	9

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: NOBI03
SDG NO.: Q2259

Calibration Date(s): 06/16/2025 06/16/2025
Calibration Times: 09:56 11:33

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:	CF 200 = <u>PS030681.D</u>	CF 500 = <u>PS030682.D</u>
CF 750 = <u>PS030683.D</u>	CF 1000 = <u>PS030684.D</u>	CF 1500 = <u>PS030685.D</u>

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16317200000	13993800000	13106600000	13073500000	12451600000	13788500000	11
2,4,5-TP(Silvex)	17076700000	14594600000	13656900000	13568800000	12875800000	14354600000	11
2,4-D	2067250000	1684360000	1565840000	1560790000	1503980000	1676450000	14
2,4-DB	1433440000	1197190000	1113440000	1112470000	1076240000	1186560000	12
2,4-DCAA	1334550000	1086460000	1006290000	1005060000	966095000	1079690000	14
Dalapon	3413870000	2800060000	2636270000	2657290000	2563320000	2814160000	12
DICAMBA	7689070000	6633610000	6294610000	6352720000	6182550000	6630510000	9
DICHLORPROP	1898430000	1543370000	1432790000	1422510000	1364740000	1532370000	14
Dinoseb	12851300000	11020800000	10395800000	10437500000	10081600000	10957400000	10

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2259

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
		Calibration Times:	<u>11:25</u> <u>13:29</u>

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS030739.D</u>	RT 500 = <u>PS030740.D</u>
	RT 750 = <u>PS030741.D</u>	RT 1000 = <u>PS030742.D</u>
		RT 1500 = <u>PS030743.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	9.67	9.67	9.67	9.67	9.67	9.67	9.57	9.77
2,4,5-TP(Silvex)	9.38	9.38	9.38	9.38	9.38	9.38	9.28	9.48
2,4-D	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59
2,4-DB	10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
2,4-DCAA	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
DICHLORPROP	8.25	8.25	8.25	8.25	8.25	8.25	8.15	8.35
Dinoseb	11.47	11.47	11.47	11.47	11.47	11.47	11.37	11.57

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
		Calibration Times:	<u>11:25</u> <u>13:29</u>

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS030739.D</u>	RT 500 = <u>PS030740.D</u>
RT 750 = <u>PS030741.D</u>	RT 1000 = <u>PS030742.D</u>	RT 1500 = <u>PS030743.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	10.36	10.36	10.36	10.36	10.36	10.36	10.26	10.46
2,4,5-TP(Silvex)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.03	9.03	9.03	9.03	9.03	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.93	10.93	10.93	10.93	10.83	11.03
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Dinoseb	11.31	11.31	11.31	11.31	11.31	11.31	11.21	11.41

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: NOBI03
SDG NO.: Q2259

Calibration Date(s): 06/18/2025 06/18/2025
Calibration Times: 11:25 13:29

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS030739.D</u>	CF 500 =	<u>PS030740.D</u>		
CF 750 =		<u>PS030741.D</u>	CF 1000 =	<u>PS030742.D</u>	CF 1500 =	<u>PS030743.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	17256700000	16680000000	16830000000	16187900000	15311000000	16453200000	5
2,4,5-TP(Silvex)	22282500000	20395400000	19977900000	18863900000	18632300000	20030400000	7
2,4-D	3868070000	3398090000	3305570000	3150720000	3499600000	3444410000	8
2,4-DB	2481600000	2363020000	2407410000	2376040000	1839440000	2293500000	11
2,4-DCAA	4451200000	3788090000	3593380000	3449860000	3089450000	3674390000	14
Dalapon	6684720000	6290600000	6023050000	5659720000	5170060000	5965630000	10
DICAMBA	17792700000	15914300000	15443300000	14605900000	12319200000	15215100000	13
DICHLORPROP	4637630000	3720970000	3496760000	3281660000	3591790000	3745760000	14
Dinoseb	15211800000	14001800000	13914000000	13244000000	12994300000	13873200000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: NOBI03
SDG NO.: Q2259

Calibration Date(s): 06/18/2025 06/18/2025
Calibration Times: 11:25 13:29

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS030739.D</u>	CF 500 =	<u>PS030740.D</u>		
CF 750 =		<u>PS030741.D</u>	CF 1000 =	<u>PS030742.D</u>	CF 1500 =	<u>PS030743.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	15648900000	14018900000	13695900000	12933300000	12026100000	13664600000	10
2,4,5-TP(Silvex)	16493700000	14706300000	14316500000	13463300000	13163600000	14428700000	9
2,4-D	1965540000	1671750000	1622570000	1523690000	1713470000	1699410000	10
2,4-DB	1373320000	1199380000	1163600000	1108750000	1069470000	1182900000	10
2,4-DCAA	1283250000	1084080000	1050700000	993038000	948747000	1071960000	12
Dalapon	3222480000	2812600000	2725260000	2594690000	2353690000	2741740000	12
DICAMBA	7304970000	6653080000	6566460000	6277600000	5963960000	6553210000	8
DICHLORPROP	1855180000	1562920000	1498450000	1412800000	1533120000	1572500000	11
Dinoseb	12099400000	10862400000	10728600000	10218500000	9997410000	10781200000	8

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
Instrument ID: _____ **Date(s) Analyzed:** _____
GC Column: _____ **ID:** _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/10/2025</u>	Initial Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
Continuing Calib Time:	<u>12:27</u>	Initial Calibration Time(s):	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.71	2.72	2.62	2.82	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.49	11.50	11.40	11.60	0.02

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/10/2025</u>	Initial Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
Continuing Calib Time:	<u>12:27</u>	Initial Calibration Time(s):	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/10/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030594.D **Time Analyzed:** 12:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.683	9.597	9.797	707.270	712.500	-0.7
2,4,5-TP(Silvex)	9.389	9.304	9.504	739.160	712.500	3.7
2,4-D	8.499	8.412	8.612	693.550	705.000	-1.6
2,4-DB	10.263	10.179	10.379	652.380	712.500	-8.4
2,4-DCAA	7.360	7.269	7.469	752.900	750.000	0.4
Dalapon	2.712	2.616	2.816	709.680	682.500	4.0
DICAMBA	7.551	7.461	7.661	741.410	705.000	5.2
DICHLORPROP	8.266	8.179	8.379	713.240	705.000	1.2
Dinoseb	11.485	11.402	11.602	736.750	705.000	4.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/10/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030594.D **Time Analyzed:** 12:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.360	10.268	10.468	729.720	712.500	2.4
2,4,5-TP(Silvex)	9.935	9.842	10.042	735.940	712.500	3.3
2,4-D	9.027	8.934	9.134	718.450	705.000	1.9
2,4-DB	10.928	10.836	11.036	707.420	712.500	-0.7
2,4-DCAA	7.769	7.674	7.874	746.710	750.000	-0.4
Dalapon	2.712	2.610	2.810	681.040	682.500	-0.2
DICAMBA	7.972	7.877	8.077	730.310	705.000	3.6
DICHLORPROP	8.692	8.598	8.798	710.110	705.000	0.7
Dinoseb	11.313	11.221	11.421	741.330	705.000	5.2

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/10/2025</u>	Initial Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
Continuing Calib Time:	<u>20:01</u>	Initial Calibration Time(s):	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.72	2.72	2.62	2.82	0.00
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.48	11.50	11.40	11.60	0.02

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/10/2025</u>	Initial Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
Continuing Calib Time:	<u>20:01</u>	Initial Calibration Time(s):	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.94	9.84	10.04	0.01
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/10/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030606.D **Time Analyzed:** 20:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.683	9.597	9.797	708.690	712.500	-0.5
2,4,5-TP(Silvex)	9.388	9.304	9.504	734.910	712.500	3.1
2,4-D	8.498	8.412	8.612	699.570	705.000	-0.8
2,4-DB	10.262	10.179	10.379	662.060	712.500	-7.1
2,4-DCAA	7.358	7.269	7.469	695.690	750.000	-7.2
Dalapon	2.716	2.616	2.816	699.180	682.500	2.4
DICAMBA	7.550	7.461	7.661	736.770	705.000	4.5
DICHLORPROP	8.265	8.179	8.379	709.770	705.000	0.7
Dinoseb	11.483	11.402	11.602	730.610	705.000	3.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/10/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030606.D **Time Analyzed:** 20:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.360	10.268	10.468	734.330	712.500	3.1
2,4,5-TP(Silvex)	9.934	9.842	10.042	739.790	712.500	3.8
2,4-D	9.027	8.934	9.134	724.670	705.000	2.8
2,4-DB	10.927	10.836	11.036	717.750	712.500	0.7
2,4-DCAA	7.769	7.674	7.874	736.310	750.000	-1.8
Dalapon	2.711	2.610	2.810	679.800	682.500	-0.4
DICAMBA	7.972	7.877	8.077	732.020	705.000	3.8
DICHLORPROP	8.692	8.598	8.798	712.380	705.000	1.0
Dinoseb	11.313	11.221	11.421	743.840	705.000	5.5

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/11/2025</u>	Initial Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
Continuing Calib Time:	<u>09:10</u>	Initial Calibration Time(s):	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.72	2.72	2.62	2.82	0.01
DICHLORPROP	8.26	8.28	8.18	8.38	0.02
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.48	11.50	11.40	11.60	0.02

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/11/2025</u>	Initial Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
Continuing Calib Time:	<u>09:10</u>	Initial Calibration Time(s):	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.94	9.84	10.04	0.01
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/11/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030621.D **Time Analyzed:** 09:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.680	9.597	9.797	700.660	712.500	-1.7
2,4,5-TP(Silvex)	9.386	9.304	9.504	736.560	712.500	3.4
2,4-D	8.496	8.412	8.612	691.670	705.000	-1.9
2,4-DB	10.259	10.179	10.379	643.460	712.500	-9.7
2,4-DCAA	7.356	7.269	7.469	737.450	750.000	-1.7
Dalapon	2.715	2.616	2.816	690.220	682.500	1.1
DICAMBA	7.549	7.461	7.661	744.120	705.000	5.5
DICHLORPROP	8.264	8.179	8.379	713.190	705.000	1.2
Dinoseb	11.481	11.402	11.602	718.070	705.000	1.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/11/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030621.D **Time Analyzed:** 09:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.359	10.268	10.468	750.020	712.500	5.3
2,4,5-TP(Silvex)	9.932	9.842	10.042	754.780	712.500	5.9
2,4-D	9.026	8.934	9.134	740.500	705.000	5.0
2,4-DB	10.925	10.836	11.036	732.100	712.500	2.8
2,4-DCAA	7.768	7.674	7.874	751.350	750.000	0.2
Dalapon	2.711	2.610	2.810	681.600	682.500	-0.1
DICAMBA	7.971	7.877	8.077	750.620	705.000	6.5
DICHLORPROP	8.691	8.598	8.798	728.610	705.000	3.3
Dinoseb	11.311	11.221	11.421	752.930	705.000	6.8

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/11/2025</u>	Initial Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
Continuing Calib Time:	<u>15:32</u>	Initial Calibration Time(s):	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.71	2.72	2.62	2.82	0.01
DICHLORPROP	8.26	8.28	8.18	8.38	0.02
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.48	11.50	11.40	11.60	0.02

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/11/2025</u>	Initial Calibration Date(s):	<u>06/04/2025</u> <u>06/04/2025</u>
Continuing Calib Time:	<u>15:32</u>	Initial Calibration Time(s):	<u>11:19</u> <u>12:55</u>

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.01
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.94	9.84	10.04	0.01
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.92	10.94	10.84	11.04	0.02
Dinoseb	11.31	11.32	11.22	11.42	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/11/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030630.D **Time Analyzed:** 15:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.681	9.597	9.797	676.850	712.500	-5.0
2,4,5-TP(Silvex)	9.387	9.304	9.504	708.950	712.500	-0.5
2,4-D	8.497	8.412	8.612	682.320	705.000	-3.2
2,4-DB	10.261	10.179	10.379	625.670	712.500	-12.2
2,4-DCAA	7.357	7.269	7.469	709.420	750.000	-5.4
Dalapon	2.711	2.616	2.816	692.990	682.500	1.5
DICAMBA	7.548	7.461	7.661	710.810	705.000	0.8
DICHLORPROP	8.264	8.179	8.379	679.350	705.000	-3.6
Dinoseb	11.482	11.402	11.602	690.760	705.000	-2.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/11/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030630.D **Time Analyzed:** 15:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.357	10.268	10.468	722.370	712.500	1.4
2,4,5-TP(Silvex)	9.931	9.842	10.042	724.770	712.500	1.7
2,4-D	9.023	8.934	9.134	714.950	705.000	1.4
2,4-DB	10.924	10.836	11.036	701.440	712.500	-1.6
2,4-DCAA	7.765	7.674	7.874	726.420	750.000	-3.1
Dalapon	2.707	2.610	2.810	673.700	682.500	-1.3
DICAMBA	7.968	7.877	8.077	715.390	705.000	1.5
DICHLORPROP	8.688	8.598	8.798	694.620	705.000	-1.5
Dinoseb	11.310	11.221	11.421	720.260	705.000	2.2

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/16/2025</u>	Initial Calibration Date(s):	<u>06/16/2025</u> <u>06/16/2025</u>
Continuing Calib Time:	<u>13:11</u>	Initial Calibration Time(s):	<u>09:56</u> <u>11:33</u>

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.54	7.54	7.44	7.64	0.00
2,4-DCAA	7.35	7.35	7.25	7.45	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.26	8.26	8.16	8.36	0.00
2,4-D	8.49	8.49	8.39	8.59	0.00
2,4,5-TP(Silvex)	9.38	9.38	9.28	9.48	0.00
2,4,5-T	9.67	9.67	9.57	9.77	0.00
2,4-DB	10.25	10.25	10.15	10.35	0.00
Dinoseb	11.47	11.47	11.37	11.57	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/16/2025</u>	Initial Calibration Date(s):	<u>06/16/2025</u> <u>06/16/2025</u>
Continuing Calib Time:	<u>13:11</u>	Initial Calibration Time(s):	<u>09:56</u> <u>11:33</u>

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/16/2025 06/16/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/16/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030688.D **Time Analyzed:** 13:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.672	9.571	9.771	690.770	712.500	-3.0
2,4,5-TP(Silvex)	9.378	9.277	9.477	686.350	712.500	-3.7
2,4-D	8.488	8.388	8.588	663.780	705.000	-5.8
2,4-DB	10.251	10.150	10.350	688.140	712.500	-3.4
2,4-DCAA	7.350	7.250	7.450	686.030	750.000	-8.5
Dalapon	2.708	2.609	2.809	644.390	682.500	-5.6
DICAMBA	7.541	7.442	7.642	670.460	705.000	-4.9
DICHLORPROP	8.256	8.156	8.356	648.520	705.000	-8.0
Dinoseb	11.471	11.370	11.570	677.450	705.000	-3.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/16/2025 06/16/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/16/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030688.D **Time Analyzed:** 13:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.358	10.258	10.458	679.470	712.500	-4.6
2,4,5-TP(Silvex)	9.932	9.832	10.032	681.170	712.500	-4.4
2,4-D	9.025	8.926	9.126	661.470	705.000	-6.2
2,4-DB	10.925	10.825	11.025	666.500	712.500	-6.5
2,4-DCAA	7.768	7.668	7.868	699.780	750.000	-6.7
Dalapon	2.709	2.609	2.809	641.890	682.500	-6.0
DICAMBA	7.971	7.871	8.071	671.470	705.000	-4.8
DICHLORPROP	8.689	8.590	8.790	664.040	705.000	-5.8
Dinoseb	11.310	11.211	11.411	672.250	705.000	-4.6

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/16/2025</u>	Initial Calibration Date(s):	<u>06/16/2025</u> <u>06/16/2025</u>
Continuing Calib Time:	<u>17:25</u>	Initial Calibration Time(s):	<u>09:56</u> <u>11:33</u>

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.54	7.54	7.44	7.64	0.00
2,4-DCAA	7.35	7.35	7.25	7.45	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.26	8.26	8.16	8.36	0.00
2,4-D	8.49	8.49	8.39	8.59	0.00
2,4,5-TP(Silvex)	9.38	9.38	9.28	9.48	0.00
2,4,5-T	9.67	9.67	9.57	9.77	0.00
2,4-DB	10.25	10.25	10.15	10.35	0.00
Dinoseb	11.47	11.47	11.37	11.57	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/16/2025</u>	Initial Calibration Date(s):	<u>06/16/2025</u> <u>06/16/2025</u>
Continuing Calib Time:	<u>17:25</u>	Initial Calibration Time(s):	<u>09:56</u> <u>11:33</u>

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/16/2025 06/16/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/16/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030698.D **Time Analyzed:** 17:25

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.672	9.571	9.771	782.520	712.500	9.8
2,4,5-TP(Silvex)	9.378	9.277	9.477	724.580	712.500	1.7
2,4-D	8.488	8.388	8.588	728.580	705.000	3.3
2,4-DB	10.250	10.150	10.350	803.270	712.500	12.7
2,4-DCAA	7.350	7.250	7.450	712.270	750.000	-5.0
Dalapon	2.708	2.609	2.809	653.700	682.500	-4.2
DICAMBA	7.541	7.442	7.642	685.590	705.000	-2.8
DICHLORPROP	8.256	8.156	8.356	683.810	705.000	-3.0
Dinoseb	11.470	11.370	11.570	726.650	705.000	3.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/16/2025 06/16/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/16/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030698.D **Time Analyzed:** 17:25

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.357	10.258	10.458	688.690	712.500	-3.3
2,4,5-TP(Silvex)	9.931	9.832	10.032	668.480	712.500	-6.2
2,4-D	9.025	8.926	9.126	667.720	705.000	-5.3
2,4-DB	10.925	10.825	11.025	666.720	712.500	-6.4
2,4-DCAA	7.768	7.668	7.868	706.810	750.000	-5.8
Dalapon	2.710	2.609	2.809	646.280	682.500	-5.3
DICAMBA	7.971	7.871	8.071	675.260	705.000	-4.2
DICHLORPROP	8.690	8.590	8.790	657.780	705.000	-6.7
Dinoseb	11.310	11.211	11.411	673.760	705.000	-4.4

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/19/2025</u>	Initial Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
Continuing Calib Time:	<u>09:25</u>	Initial Calibration Time(s):	<u>11:25</u> <u>13:29</u>

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.54	7.54	7.44	7.64	0.00
2,4-DCAA	7.35	7.35	7.25	7.45	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.25	8.25	8.15	8.35	0.00
2,4-D	8.49	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.37	9.38	9.28	9.48	0.01
2,4,5-T	9.67	9.67	9.57	9.77	0.00
2,4-DB	10.25	10.25	10.15	10.35	0.00
Dinoseb	11.47	11.47	11.37	11.57	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2259

Continuing Calib Date: 06/19/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 09:25 Initial Calibration Time(s): 11:25 13:29

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/19/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030753.D **Time Analyzed:** 09:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.668	9.568	9.768	726.800	712.500	2.0
2,4,5-TP(Silvex)	9.373	9.275	9.475	724.080	712.500	1.6
2,4-D	8.485	8.386	8.586	682.200	705.000	-3.2
2,4-DB	10.246	10.147	10.347	762.020	712.500	7.0
2,4-DCAA	7.348	7.249	7.449	757.570	750.000	1.0
Dalapon	2.713	2.611	2.811	696.660	682.500	2.1
DICAMBA	7.539	7.439	7.639	737.020	705.000	4.5
DICHLORPROP	8.253	8.153	8.353	673.640	705.000	-4.4
Dinoseb	11.465	11.366	11.566	715.310	705.000	1.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/19/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030753.D **Time Analyzed:** 09:25

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.359	10.259	10.459	727.590	712.500	2.1
2,4,5-TP(Silvex)	9.933	9.833	10.033	717.060	712.500	0.6
2,4-D	9.027	8.927	9.127	684.160	705.000	-3.0
2,4-DB	10.926	10.827	11.027	712.330	712.500	0.0
2,4-DCAA	7.769	7.670	7.870	750.610	750.000	0.1
Dalapon	2.711	2.609	2.809	678.900	682.500	-0.5
DICAMBA	7.972	7.872	8.072	721.350	705.000	2.3
DICHLORPROP	8.691	8.591	8.791	686.560	705.000	-2.6
Dinoseb	11.312	11.211	11.411	712.700	705.000	1.1

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2259</u>
Continuing Calib Date:	<u>06/19/2025</u>	Initial Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
Continuing Calib Time:	<u>11:06</u>	Initial Calibration Time(s):	<u>11:25</u> <u>13:29</u>

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.54	7.54	7.44	7.64	0.00
2,4-DCAA	7.35	7.35	7.25	7.45	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.25	8.25	8.15	8.35	0.00
2,4-D	8.49	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.37	9.38	9.28	9.48	0.01
2,4,5-T	9.67	9.67	9.57	9.77	0.00
2,4-DB	10.25	10.25	10.15	10.35	0.01
Dinoseb	11.47	11.47	11.37	11.57	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2259

Continuing Calib Date: 06/19/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 11:06 Initial Calibration Time(s): 11:25 13:29

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 06/19/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030757.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.667	9.568	9.768	747.680	712.500	4.9
2,4,5-TP(Silvex)	9.373	9.275	9.475	731.860	712.500	2.7
2,4-D	8.485	8.386	8.586	696.920	705.000	-1.1
2,4-DB	10.245	10.147	10.347	778.790	712.500	9.3
2,4-DCAA	7.348	7.249	7.449	769.350	750.000	2.6
Dalapon	2.713	2.611	2.811	695.430	682.500	1.9
DICAMBA	7.539	7.439	7.639	735.820	705.000	4.4
DICHLORPROP	8.252	8.153	8.353	679.830	705.000	-3.6
Dinoseb	11.465	11.366	11.566	710.420	705.000	0.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2259
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 06/19/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030757.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.360	10.259	10.459	730.380	712.500	2.5
2,4,5-TP(Silvex)	9.934	9.833	10.033	724.230	712.500	1.6
2,4-D	9.027	8.927	9.127	711.340	705.000	0.9
2,4-DB	10.927	10.827	11.027	719.410	712.500	1.0
2,4-DCAA	7.771	7.670	7.870	749.750	750.000	0.0
Dalapon	2.713	2.609	2.809	675.650	682.500	-1.0
DICAMBA	7.973	7.872	8.072	720.320	705.000	2.2
DICHLORPROP	8.692	8.591	8.791	680.890	705.000	-3.4
Dinoseb	11.313	11.211	11.411	703.490	705.000	-0.2

Analytical Sequence

Client: Nobis Group

SDG No.: Q2259

Project: Raymark Superfund Site

Instrument ID: ECD_S

GC Column: RTX-CLP

ID: 0.32 (mm)

Inst. Calib. Date(s): 06/04/2025 06/04/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	06/04/2025	10:55	PS030475.D	7.37	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.37	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.37	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.37	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.37	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.37	0.00
IBLK	IBLK	06/10/2025	12:03	PS030593.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/10/2025	12:27	PS030594.D	7.36	0.00
OU4-PCS-TC-36-060525	Q2259-01	06/10/2025	18:00	PS030601.D	7.36	0.00
OU4-PCS-TC-37-060525	Q2259-03	06/10/2025	18:24	PS030602.D	7.36	0.00
IBLK	IBLK	06/10/2025	19:37	PS030605.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/10/2025	20:01	PS030606.D	7.36	0.00
IBLK	IBLK	06/11/2025	08:46	PS030620.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	09:10	PS030621.D	7.36	0.00
PB168375BS	PB168375BS	06/11/2025	14:06	PS030628.D	7.36	0.00
IBLK	IBLK	06/11/2025	14:30	PS030629.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	15:32	PS030630.D	7.36	0.00
IBLK	IBLK	06/16/2025	09:32	PS030680.D	7.35	0.00
HSTDICC200	HSTDICC200	06/16/2025	09:56	PS030681.D	7.35	0.00
HSTDICC500	HSTDICC500	06/16/2025	10:20	PS030682.D	7.35	0.00
HSTDICC750	HSTDICC750	06/16/2025	10:44	PS030683.D	7.35	0.00
HSTDICC1000	HSTDICC1000	06/16/2025	11:09	PS030684.D	7.35	0.00
HSTDICC1500	HSTDICC1500	06/16/2025	11:33	PS030685.D	7.35	0.00
IBLK	IBLK	06/16/2025	12:23	PS030687.D	7.35	0.00
HSTDCCC750	HSTDCCC750	06/16/2025	13:11	PS030688.D	7.35	0.00
PB168375BL	PB168375BL	06/16/2025	14:53	PS030692.D	7.35	0.00
IBLK	IBLK	06/16/2025	17:01	PS030697.D	7.35	0.00
HSTDCCC750	HSTDCCC750	06/16/2025	17:25	PS030698.D	7.35	0.00
IBLK	IBLK	06/18/2025	11:01	PS030738.D	7.35	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.35	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.35	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.35	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.35	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.35	0.00
IBLK	IBLK	06/19/2025	09:01	PS030752.D	7.35	0.00
HSTDCCC750	HSTDCCC750	06/19/2025	09:25	PS030753.D	7.35	0.00
WC-3MS	Q2266-01MS	06/19/2025	09:50	PS030754.D	7.35	0.00
WC-3MSD	Q2266-01MSD	06/19/2025	10:18	PS030755.D	7.35	0.00
IBLK	IBLK	06/19/2025	10:42	PS030756.D	7.35	0.00
HSTDCCC750	HSTDCCC750	06/19/2025	11:06	PS030757.D	7.35	0.00

Analytical Sequence

Client: Nobis Group

SDG No.: Q2259

Project: Raymark Superfund Site

Instrument ID: ECD_S

GC Column: RTX-CLP2

ID: 0.32 (mm)

Inst. Calib. Date(s): 06/04/2025

06/04/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	06/04/2025	10:55	PS030475.D	7.77	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.77	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.77	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.77	0.00
IBLK	IBLK	06/10/2025	12:03	PS030593.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/10/2025	12:27	PS030594.D	7.77	0.00
OU4-PCS-TC-36-060525	Q2259-01	06/10/2025	18:00	PS030601.D	7.77	0.00
OU4-PCS-TC-37-060525	Q2259-03	06/10/2025	18:24	PS030602.D	7.77	0.00
IBLK	IBLK	06/10/2025	19:37	PS030605.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/10/2025	20:01	PS030606.D	7.77	0.00
IBLK	IBLK	06/11/2025	08:46	PS030620.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	09:10	PS030621.D	7.77	0.00
PB168375BS	PB168375BS	06/11/2025	14:06	PS030628.D	7.76	0.00
IBLK	IBLK	06/11/2025	14:30	PS030629.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	15:32	PS030630.D	7.77	0.00
IBLK	IBLK	06/16/2025	09:32	PS030680.D	7.77	0.00
HSTDICC200	HSTDICC200	06/16/2025	09:56	PS030681.D	7.77	0.00
HSTDICC500	HSTDICC500	06/16/2025	10:20	PS030682.D	7.77	0.00
HSTDICC750	HSTDICC750	06/16/2025	10:44	PS030683.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/16/2025	11:09	PS030684.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/16/2025	11:33	PS030685.D	7.77	0.00
IBLK	IBLK	06/16/2025	12:23	PS030687.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/16/2025	13:11	PS030688.D	7.77	0.00
PB168375BL	PB168375BL	06/16/2025	14:53	PS030692.D	7.77	0.00
IBLK	IBLK	06/16/2025	17:01	PS030697.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/16/2025	17:25	PS030698.D	7.77	0.00
IBLK	IBLK	06/18/2025	11:01	PS030738.D	7.77	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.77	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.77	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.77	0.00
IBLK	IBLK	06/19/2025	09:01	PS030752.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/19/2025	09:25	PS030753.D	7.77	0.00
WC-3MS	Q2266-01MS	06/19/2025	09:50	PS030754.D	7.77	0.00
WC-3MSD	Q2266-01MSD	06/19/2025	10:18	PS030755.D	7.77	0.00
IBLK	IBLK	06/19/2025	10:42	PS030756.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/19/2025	11:06	PS030757.D	7.77	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168375BS

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab Sample ID: PB168375BS

Date(s) Analyzed: 06/11/2025 06/11/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column: (2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.68	9.63	9.73	150	6.5
	2	10.36	10.31	10.41	160	
2,4,5-TP(Silvex)	1	9.39	9.34	9.44	159	1.3
	2	9.93	9.88	9.98	161	
2,4-D	1	8.50	8.45	8.55	155	4.4
	2	9.02	8.97	9.07	162	
2,4-DB	1	10.26	10.21	10.31	136	13.7
	2	10.92	10.87	10.97	156	
Dalapon	1	2.71	2.66	2.76	156	3.9
	2	2.71	2.66	2.76	150	
DICHLORPROP	1	8.26	8.21	8.31	154	1.9
	2	8.69	8.64	8.74	157	
Dinoseb	1	11.48	11.43	11.53	154	1.9
	2	11.31	11.26	11.36	157	
DICAMBA	1	7.55	7.50	7.60	160	2.5
	2	7.97	7.92	8.02	156	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3MS

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab Sample ID: Q2266-01MS

Date(s) Analyzed: 06/19/2025 06/19/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Dalapon	1	2.71	2.66	2.76	66.2	110
	2	2.71	2.66	2.76	228	
DICHLORPROP	1	8.25	8.20	8.30	150	3.4
	2	8.69	8.64	8.74	145	
2,4-D	1	8.49	8.44	8.54	170	2.4
	2	9.03	8.98	9.08	166	
2,4,5-TP(Silvex)	1	9.37	9.32	9.42	164	35.6
	2	9.93	9.88	9.98	235	
2,4,5-T	1	9.67	9.62	9.72	154	1.3
	2	10.36	10.31	10.41	156	
2,4-DB	1	10.25	10.20	10.30	146	5.3
	2	10.93	10.88	10.98	154	
Dinoseb	1	11.47	11.42	11.52	86.5	5.6
	2	11.31	11.26	11.36	81.8	
DICAMBA	1	7.54	7.49	7.59	141	0.7
	2	7.97	7.92	8.02	140	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3MSD

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab Sample ID: Q2266-01MSD

Date(s) Analyzed: 06/19/2025 06/19/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Dalapon	1	2.70	2.65	2.75	64.2	113.6
	2	2.71	2.66	2.76	233	
DICHLORPROP	1	8.25	8.20	8.30	150	2
	2	8.69	8.64	8.74	147	
2,4-D	1	8.49	8.44	8.54	170	1.2
	2	9.03	8.98	9.08	168	
2,4,5-TP(Silvex)	1	9.37	9.32	9.42	164	35.6
	2	9.93	9.88	9.98	235	
2,4,5-T	1	9.67	9.62	9.72	153	1.3
	2	10.36	10.31	10.41	155	
2,4-DB	1	10.25	10.20	10.30	144	6.1
	2	10.93	10.88	10.98	153	
Dinoseb	1	11.47	11.42	11.52	86.6	5.8
	2	11.31	11.26	11.36	81.7	
DICAMBA	1	7.54	7.49	7.59	142	1.4
	2	7.97	7.92	8.02	140	

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168375BS

Lab Name: Alliance
Lab Code: ACE
Lab Sample ID: PB168375BS
Instrument ID (1): ECD_S

Contract: NOBI03
SDG NO.: Q2259
Date(s) Analyzed: 06/11/2025 06/11/2025
Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP ID: 0.32 (mm) GC Column: (2): RTX-CLP2 ID: 0.32 (mm)
Data file PS030628.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
2,4,5-T COLUMN 1 COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
2,4,5-TP (Silvex) COLUMN 1 COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

2,4-D <
--

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

DICHLORPROP	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 1	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
DINOSEB	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 1	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC-3MS

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab Sample ID: Q2266-01MS

Date(s) Analyzed: 06/19/2025 06/19/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP ID: 0.32 (mm)

GC Column: (2): RTX-CLP2 ID: 0.32 (mm)

Data file PS030754.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
2,4,5-T COLUMN 1 COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
2,4,5-TP (Silvex) COLUMN 1 COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

2,4-D

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

DICHLORPROP	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 1	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
DINOSEB	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 1	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC-3MSD

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2259

Lab Sample ID: Q2266-01MSD

Date(s) Analyzed: 06/19/2025 06/19/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP ID: 0.32 (mm)

GC Column: (2): RTX-CLP2 ID: 0.32 (mm)

Data file PS030755.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
2,4,5-T COLUMN 1 COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
2,4,5-TP (Silvex) COLUMN 1 COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

2,4-D	COLUMN 1	1	0	0	0	0		
		2	0	0	0	0		
		3	0	0	0	0		
		4	0	0	0	0		
		5	0	0	0	0		
	COLUMN 2	1	0	0	0	0		
		2	0	0	0	0		
		3	0	0	0	0		
		4	0	0	0	0		
		5	0	0	0	0		
2,4-DB	COLUMN 1	1	0	0	0	0		
		2	0	0	0	0		
		3	0	0	0	0		
		4	0	0	0	0		
		5	0	0	0	0		
	COLUMN 2	1	0	0	0	0		
		2	0	0	0	0		
		3	0	0	0	0		
		4	0	0	0	0		
		5	0	0	0	0		
DALAPON	COLUMN 1	1	0	0	0	0		
		2	0	0	0	0		
		3	0	0	0	0		
		4	0	0	0	0		
		5	0	0	0	0		
	COLUMN 2	1	0	0	0	0		
		2	0	0	0	0		
		3	0	0	0	0		
		4	0	0	0	0		
		5	0	0	0	0		
DICAMBA	COLUMN 1	1	0	0	0	0		
		2	0	0	0	0		
		3	0	0	0	0		
		4	0	0	0	0		
		5	0	0	0	0		
	COLUMN 2	1	0	0	0	0		
		2	0	0	0	0		
		3	0	0	0	0		
		4	0	0	0	0		
		5	0	0	0	0		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

DICHLORPROP	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 1	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
DINOSEB	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 1	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		
COLUMN 2	1	0	0	0	0		
	2	0	0	0	0		
	3	0	0	0	0		
	4	0	0	0	0		
	5	0	0	0	0		

LAB CHRONICLE

OrderID:	Q2259	OrderDate:	6/6/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	OU4-PCS-TC-36-0605 25	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-03	OU4-PCS-TC-37-0605 25	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-05	OU4-TS-29-060525	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-06	OU4-TS-30-060525	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: Q2259 **Order ID:** Q2259
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-PCS-TC-36-060525									
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Aluminum	6720		0.83	3.96	4.96	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Arsenic	1.64		0.19	0.79	0.99	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Barium	12.9		0.72	1.24	4.96	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Beryllium	0.33		0.025	0.074	0.30	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Cadmium	1.71		0.024	0.074	0.30	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Calcium	7920		11.0	24.8	99.1	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Cobalt	15.4		0.099	0.37	1.49	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Copper	36.7		0.22	0.79	0.99	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Iron	24800		3.95	3.96	4.96	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Lead	0.95		0.13	0.48	0.60	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Magnesium	4870		11.9	24.8	99.1	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Manganese	208		0.14	0.25	0.99	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Nickel	7.23		0.13	0.50	1.98	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Potassium	85.6	J	27.5	79.3	99.1	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Sodium	900		17.6	79.3	99.1	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Vanadium	62.5		0.25	0.99	1.98	mg/Kg
Q2259-01	OU4-PCS-TC-36-060525	SOIL	Zinc	34.2		0.23	0.50	1.98	mg/Kg
Client ID : OU4-PCS-TC-37-060525									
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Aluminum	6770		0.81	3.86	4.82	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Arsenic	1.38		0.18	0.77	0.96	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Barium	11.6		0.70	1.21	4.82	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Beryllium	0.31		0.024	0.072	0.29	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Cadmium	1.64		0.023	0.072	0.29	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Calcium	6230		10.7	24.1	96.4	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Cobalt	14.4		0.096	0.36	1.45	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Copper	36.9		0.21	0.77	0.96	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Iron	22800		3.85	3.86	4.82	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Lead	0.82		0.13	0.46	0.58	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Magnesium	4740		11.6	24.1	96.4	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Manganese	179		0.14	0.24	0.96	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Nickel	7.20		0.13	0.48	1.93	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Potassium	86.3	J	26.7	77.1	96.4	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Sodium	944		17.2	77.1	96.4	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Vanadium	62.2		0.24	0.96	1.93	mg/Kg
Q2259-03	OU4-PCS-TC-37-060525	SOIL	Zinc	27.2		0.22	0.48	1.93	mg/Kg

Client ID : OU4-TS-29-060525

Hit Summary Sheet
SW-846

SDG No.: Q2259 **Order ID:** Q2259
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2259-05	OU4-TS-29-060525	SOIL	Aluminum	15400		1.01	4.81	6.01	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Arsenic	24.2		0.23	0.96	1.20	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Barium	102		0.88	1.50	6.01	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Beryllium	0.98		0.030	0.090	0.36	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Cadmium	2.67		0.029	0.090	0.36	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Calcium	3800		13.3	30.1	120	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Chromium	19.7		0.057	0.15	0.60	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Cobalt	16.4		0.12	0.45	1.80	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Copper	42.5		0.27	0.96	1.20	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Iron	23500		4.80	4.81	6.01	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Lead	28.8		0.16	0.58	0.72	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Magnesium	5310		14.4	30.1	120	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Manganese	453		0.17	0.30	1.20	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Mercury	0.030		0.0090	0.013	0.016	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Nickel	27.5		0.16	0.60	2.41	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Potassium	5140		33.3	96.2	120	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Sodium	171		21.4	96.2	120	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Vanadium	34.5		0.30	1.20	2.41	mg/Kg
Q2259-05	OU4-TS-29-060525	SOIL	Zinc	79.1		0.28	0.60	2.41	mg/Kg
Client ID : OU4-TS-30-060525									
Q2259-06	OU4-TS-30-060525	SOIL	Aluminum	14200		0.95	4.52	5.65	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Arsenic	24.8		0.22	0.90	1.13	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Barium	90.6		0.83	1.41	5.65	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Beryllium	0.92		0.028	0.085	0.34	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Cadmium	2.50		0.027	0.085	0.34	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Calcium	2890		12.5	28.3	113	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Chromium	18.3		0.053	0.14	0.56	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Cobalt	14.6		0.11	0.42	1.70	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Copper	40.9		0.25	0.90	1.13	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Iron	21300		4.51	4.52	5.65	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Lead	25.9		0.15	0.54	0.68	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Magnesium	4910		13.6	28.3	113	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Manganese	372		0.16	0.28	1.13	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Mercury	0.040		0.010	0.014	0.018	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Nickel	25.1		0.15	0.56	2.26	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Potassium	4410		31.3	90.4	113	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Sodium	138		20.1	90.4	113	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Vanadium	31.3		0.28	1.13	2.26	mg/Kg
Q2259-06	OU4-TS-30-060525	SOIL	Zinc	69.2		0.26	0.56	2.26	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6720		1	0.83	3.96	4.96	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-36-0	Antimony	0.62	UN	1	0.22	0.62	2.48	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-38-2	Arsenic	1.64	N	1	0.19	0.79	0.99	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-39-3	Barium	12.9	N	1	0.72	1.24	4.96	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-41-7	Beryllium	0.33	N	1	0.025	0.074	0.30	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-43-9	Cadmium	1.71		1	0.024	0.074	0.30	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-70-2	Calcium	7920		1	11.0	24.8	99.1	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-47-3	Chromium	0.12	UN	1	0.047	0.12	0.50	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-48-4	Cobalt	15.4		1	0.099	0.37	1.49	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-50-8	Copper	36.7	N	1	0.22	0.79	0.99	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7439-89-6	Iron	24800		1	3.95	3.96	4.96	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7439-92-1	Lead	0.95		1	0.13	0.48	0.60	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7439-95-4	Magnesium	4870		1	11.9	24.8	99.1	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7439-96-5	Manganese	208		1	0.14	0.25	0.99	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7439-97-6	Mercury	0.011	U	1	0.0080	0.011	0.013	mg/Kg	06/09/25 08:35	06/09/25 13:08	7471B	
7440-02-0	Nickel	7.23		1	0.13	0.50	1.98	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-09-7	Potassium	85.6	J	1	27.5	79.3	99.1	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7782-49-2	Selenium	0.79	UN	1	0.26	0.79	0.99	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-22-4	Silver	0.25	UN	1	0.12	0.25	0.50	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-23-5	Sodium	900		1	17.6	79.3	99.1	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-28-0	Thallium	0.99	U	1	0.23	0.99	1.98	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-62-2	Vanadium	62.5	N	1	0.25	0.99	1.98	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050
7440-66-6	Zinc	34.2	N	1	0.23	0.50	1.98	mg/Kg	06/09/25 10:34	06/10/25 20:26	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6770		1	0.81	3.86	4.82	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-36-0	Antimony	0.60	UN	1	0.21	0.60	2.41	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-38-2	Arsenic	1.38	N	1	0.18	0.77	0.96	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-39-3	Barium	11.6	N	1	0.70	1.21	4.82	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-41-7	Beryllium	0.31	N	1	0.024	0.072	0.29	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-43-9	Cadmium	1.64		1	0.023	0.072	0.29	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-70-2	Calcium	6230		1	10.7	24.1	96.4	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-47-3	Chromium	0.12	UN	1	0.045	0.12	0.48	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-48-4	Cobalt	14.4		1	0.096	0.36	1.45	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-50-8	Copper	36.9	N	1	0.21	0.77	0.96	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7439-89-6	Iron	22800		1	3.85	3.86	4.82	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7439-92-1	Lead	0.82		1	0.13	0.46	0.58	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7439-95-4	Magnesium	4740		1	11.6	24.1	96.4	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7439-96-5	Manganese	179		1	0.14	0.24	0.96	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7439-97-6	Mercury	0.010	U	1	0.0070	0.010	0.013	mg/Kg	06/09/25 08:35	06/09/25 13:11	7471B	
7440-02-0	Nickel	7.20		1	0.13	0.48	1.93	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-09-7	Potassium	86.3	J	1	26.7	77.1	96.4	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7782-49-2	Selenium	0.77	UN	1	0.25	0.77	0.96	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-22-4	Silver	0.24	UN	1	0.12	0.24	0.48	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-23-5	Sodium	944		1	17.2	77.1	96.4	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-28-0	Thallium	0.96	U	1	0.22	0.96	1.93	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-62-2	Vanadium	62.2	N	1	0.24	0.96	1.93	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050
7440-66-6	Zinc	27.2	N	1	0.22	0.48	1.93	mg/Kg	06/09/25 10:34	06/10/25 19:05	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-TS-29-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	75.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	15400		1	1.01	4.81	6.01	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-36-0	Antimony	0.75	UN	1	0.27	0.75	3.01	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-38-2	Arsenic	24.2	N	1	0.23	0.96	1.20	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-39-3	Barium	102	N	1	0.88	1.50	6.01	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-41-7	Beryllium	0.98	N	1	0.030	0.090	0.36	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-43-9	Cadmium	2.67		1	0.029	0.090	0.36	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-70-2	Calcium	3800		1	13.3	30.1	120	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-47-3	Chromium	19.7	N	1	0.057	0.15	0.60	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-48-4	Cobalt	16.4		1	0.12	0.45	1.80	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-50-8	Copper	42.5	N	1	0.27	0.96	1.20	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7439-89-6	Iron	23500		1	4.80	4.81	6.01	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7439-92-1	Lead	28.8		1	0.16	0.58	0.72	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7439-95-4	Magnesium	5310		1	14.4	30.1	120	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7439-96-5	Manganese	453		1	0.17	0.30	1.20	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0090	0.013	0.016	mg/Kg	06/09/25 08:35	06/09/25 13:13	7471B	
7440-02-0	Nickel	27.5		1	0.16	0.60	2.41	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-09-7	Potassium	5140		1	33.3	96.2	120	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7782-49-2	Selenium	0.96	UN	1	0.31	0.96	1.20	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-22-4	Silver	0.30	UN	1	0.14	0.30	0.60	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-23-5	Sodium	171		1	21.4	96.2	120	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-28-0	Thallium	1.20	U	1	0.28	1.20	2.41	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-62-2	Vanadium	34.5	N	1	0.30	1.20	2.41	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050
7440-66-6	Zinc	79.1	N	1	0.28	0.60	2.41	mg/Kg	06/09/25 10:34	06/10/25 19:10	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-TS-30-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	79

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	14200		1	0.95	4.52	5.65	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-36-0	Antimony	0.71	UN	1	0.25	0.71	2.83	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-38-2	Arsenic	24.8	N	1	0.22	0.90	1.13	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-39-3	Barium	90.6	N	1	0.83	1.41	5.65	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-41-7	Beryllium	0.92	N	1	0.028	0.085	0.34	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-43-9	Cadmium	2.50		1	0.027	0.085	0.34	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-70-2	Calcium	2890		1	12.5	28.3	113	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-47-3	Chromium	18.3	N	1	0.053	0.14	0.56	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-48-4	Cobalt	14.6		1	0.11	0.42	1.70	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-50-8	Copper	40.9	N	1	0.25	0.90	1.13	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7439-89-6	Iron	21300		1	4.51	4.52	5.65	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7439-92-1	Lead	25.9		1	0.15	0.54	0.68	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7439-95-4	Magnesium	4910		1	13.6	28.3	113	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7439-96-5	Manganese	372		1	0.16	0.28	1.13	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7439-97-6	Mercury	0.040		1	0.010	0.014	0.018	mg/Kg	06/09/25 08:35	06/09/25 13:15	7471B	
7440-02-0	Nickel	25.1		1	0.15	0.56	2.26	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-09-7	Potassium	4410		1	31.3	90.4	113	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7782-49-2	Selenium	0.90	UN	1	0.29	0.90	1.13	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-22-4	Silver	0.28	UN	1	0.14	0.28	0.56	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-23-5	Sodium	138		1	20.1	90.4	113	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-28-0	Thallium	1.13	U	1	0.26	1.13	2.26	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-62-2	Vanadium	31.3	N	1	0.28	1.13	2.26	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050
7440-66-6	Zinc	69.2	N	1	0.26	0.56	2.26	mg/Kg	06/09/25 10:34	06/10/25 19:14	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV30	Mercury	3.95	4.0	99	90 - 110	CV	06/09/2025	11:34	LB136058

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV13	Mercury	4.79	5.0	96	90 - 110	CV	06/09/2025	11:44	LB136058
CCV14	Mercury	4.63	5.0	93	90 - 110	CV	06/09/2025	12:28	LB136058
CCV15	Mercury	5.22	5.0	104	90 - 110	CV	06/09/2025	12:57	LB136058
CCV16	Mercury	4.52	5.0	90	90 - 110	CV	06/09/2025	13:51	LB136058
CCV17	Mercury	4.68	5.0	94	90 - 110	CV	06/09/2025	14:19	LB136058
CCV18	Mercury	4.83	5.0	97	90 - 110	CV	06/09/2025	14:30	LB136058

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7520	8000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Antimony	4020	4000	100	90 - 110	P	06/10/2025	14:37	LB136097
	Arsenic	3850	4000	96	90 - 110	P	06/10/2025	14:37	LB136097
	Barium	7450	8000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Beryllium	198	200	99	90 - 110	P	06/10/2025	14:37	LB136097
	Cadmium	1920	2000	96	90 - 110	P	06/10/2025	14:37	LB136097
	Calcium	18500	20000	92	90 - 110	P	06/10/2025	14:37	LB136097
	Chromium	794	800	99	90 - 110	P	06/10/2025	14:37	LB136097
	Cobalt	1940	2000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Copper	994	1000	99	90 - 110	P	06/10/2025	14:37	LB136097
	Iron	3770	4000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Lead	3800	4000	95	90 - 110	P	06/10/2025	14:37	LB136097
	Magnesium	18700	20000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Manganese	1860	2000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Nickel	1930	2000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Potassium	21800	20000	109	90 - 110	P	06/10/2025	14:37	LB136097
	Selenium	3880	4000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Silver	978	1000	98	90 - 110	P	06/10/2025	14:37	LB136097
	Sodium	21900	20000	109	90 - 110	P	06/10/2025	14:37	LB136097
	Thallium	3740	4000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Vanadium	1900	2000	95	90 - 110	P	06/10/2025	14:37	LB136097
	Zinc	1980	2000	99	90 - 110	P	06/10/2025	14:37	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q2259
 Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	110	100	110	80 - 120	P	06/10/2025	14:41	LB136097
	Antimony	55.0	50.0	110	80 - 120	P	06/10/2025	14:41	LB136097
	Arsenic	21.2	20.0	106	80 - 120	P	06/10/2025	14:41	LB136097
	Barium	101	100	101	80 - 120	P	06/10/2025	14:41	LB136097
	Beryllium	6.23	6.0	104	80 - 120	P	06/10/2025	14:41	LB136097
	Cadmium	6.31	6.0	105	80 - 120	P	06/10/2025	14:41	LB136097
	Calcium	2040	2000	102	80 - 120	P	06/10/2025	14:41	LB136097
	Chromium	10.8	10.0	108	80 - 120	P	06/10/2025	14:41	LB136097
	Cobalt	30.5	30.0	102	80 - 120	P	06/10/2025	14:41	LB136097
	Copper	22.6	20.0	113	80 - 120	P	06/10/2025	14:41	LB136097
	Iron	108	100	108	80 - 120	P	06/10/2025	14:41	LB136097
	Lead	12.8	12.0	107	80 - 120	P	06/10/2025	14:41	LB136097
	Magnesium	2030	2000	102	80 - 120	P	06/10/2025	14:41	LB136097
	Manganese	21.1	20.0	106	80 - 120	P	06/10/2025	14:41	LB136097
	Nickel	41.6	40.0	104	80 - 120	P	06/10/2025	14:41	LB136097
	Potassium	1960	2000	98	80 - 120	P	06/10/2025	14:41	LB136097
	Selenium	19.7	20.0	98	80 - 120	P	06/10/2025	14:41	LB136097
	Silver	10.5	10.0	105	80 - 120	P	06/10/2025	14:41	LB136097
	Sodium	1920	2000	96	80 - 120	P	06/10/2025	14:41	LB136097
	Thallium	41.3	40.0	103	80 - 120	P	06/10/2025	14:41	LB136097
	Vanadium	38.7	40.0	97	80 - 120	P	06/10/2025	14:41	LB136097
	Zinc	43.7	40.0	109	80 - 120	P	06/10/2025	14:41	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q2259

Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Antimony	5060	5000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Arsenic	5050	5000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Barium	9840	10000	98	90 - 110	P	06/10/2025	15:30	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	15:30	LB136097
	Cadmium	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	15:30	LB136097
	Cobalt	2500	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Copper	1270	1250	101	90 - 110	P	06/10/2025	15:30	LB136097
	Iron	4860	5000	97	90 - 110	P	06/10/2025	15:30	LB136097
	Lead	5030	5000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Manganese	2480	2500	99	90 - 110	P	06/10/2025	15:30	LB136097
	Nickel	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Potassium	24200	25000	97	90 - 110	P	06/10/2025	15:30	LB136097
	Selenium	5080	5000	102	90 - 110	P	06/10/2025	15:30	LB136097
	Silver	1270	1250	101	90 - 110	P	06/10/2025	15:30	LB136097
	Sodium	24100	25000	96	90 - 110	P	06/10/2025	15:30	LB136097
	Thallium	5100	5000	102	90 - 110	P	06/10/2025	15:30	LB136097
	Vanadium	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Zinc	2560	2500	102	90 - 110	P	06/10/2025	15:30	LB136097
CCV02	Aluminum	10000	10000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Antimony	5040	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Arsenic	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Barium	9830	10000	98	90 - 110	P	06/10/2025	16:28	LB136097
	Beryllium	261	250	104	90 - 110	P	06/10/2025	16:28	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	16:28	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	16:28	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	16:28	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	16:28	LB136097
	Iron	4930	5000	99	90 - 110	P	06/10/2025	16:28	LB136097
	Lead	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Manganese	2460	2500	98	90 - 110	P	06/10/2025	16:28	LB136097
	Nickel	2540	2500	101	90 - 110	P	06/10/2025	16:28	LB136097
	Potassium	24500	25000	98	90 - 110	P	06/10/2025	16:28	LB136097
	Selenium	5100	5000	102	90 - 110	P	06/10/2025	16:28	LB136097
	Silver	1270	1250	102	90 - 110	P	06/10/2025	16:28	LB136097
	Sodium	24400	25000	97	90 - 110	P	06/10/2025	16:28	LB136097
	Thallium	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Vanadium	2510	2500	100	90 - 110	P	06/10/2025	16:28	LB136097
	Zinc	2570	2500	103	90 - 110	P	06/10/2025	16:28	LB136097
CCV03	Aluminum	9930	10000	99	90 - 110	P	06/10/2025	17:36	LB136097
	Antimony	5110	5000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Arsenic	5130	5000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Barium	10200	10000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Beryllium	243	250	97	90 - 110	P	06/10/2025	17:36	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	17:36	LB136097
	Calcium	25000	25000	100	90 - 110	P	06/10/2025	17:36	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	17:36	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	17:36	LB136097
	Iron	5390	5000	108	90 - 110	P	06/10/2025	17:36	LB136097
	Lead	5080	5000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Magnesium	24700	25000	99	90 - 110	P	06/10/2025	17:36	LB136097
	Manganese	2500	2500	100	90 - 110	P	06/10/2025	17:36	LB136097
	Nickel	2540	2500	102	90 - 110	P	06/10/2025	17:36	LB136097
	Potassium	26400	25000	105	90 - 110	P	06/10/2025	17:36	LB136097
	Selenium	5140	5000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Silver	1280	1250	103	90 - 110	P	06/10/2025	17:36	LB136097
	Sodium	26700	25000	107	90 - 110	P	06/10/2025	17:36	LB136097
	Thallium	4990	5000	100	90 - 110	P	06/10/2025	17:36	LB136097
	Vanadium	2540	2500	101	90 - 110	P	06/10/2025	17:36	LB136097
	Zinc	2580	2500	103	90 - 110	P	06/10/2025	17:36	LB136097
CCV04	Aluminum	9910	10000	99	90 - 110	P	06/10/2025	18:28	LB136097
	Antimony	5130	5000	103	90 - 110	P	06/10/2025	18:28	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5200	5000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Barium	10300	10000	103	90 - 110	P	06/10/2025	18:28	LB136097
	Beryllium	246	250	99	90 - 110	P	06/10/2025	18:28	LB136097
	Cadmium	2580	2500	103	90 - 110	P	06/10/2025	18:28	LB136097
	Calcium	25200	25000	101	90 - 110	P	06/10/2025	18:28	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	18:28	LB136097
	Cobalt	2560	2500	102	90 - 110	P	06/10/2025	18:28	LB136097
	Copper	1290	1250	103	90 - 110	P	06/10/2025	18:28	LB136097
	Iron	5420	5000	108	90 - 110	P	06/10/2025	18:28	LB136097
	Lead	5160	5000	103	90 - 110	P	06/10/2025	18:28	LB136097
	Magnesium	24800	25000	99	90 - 110	P	06/10/2025	18:28	LB136097
	Manganese	2510	2500	100	90 - 110	P	06/10/2025	18:28	LB136097
	Nickel	2570	2500	103	90 - 110	P	06/10/2025	18:28	LB136097
	Potassium	25900	25000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Selenium	5220	5000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	18:28	LB136097
	Sodium	26000	25000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Thallium	5110	5000	102	90 - 110	P	06/10/2025	18:28	LB136097
	Vanadium	2550	2500	102	90 - 110	P	06/10/2025	18:28	LB136097
	Zinc	2540	2500	101	90 - 110	P	06/10/2025	18:28	LB136097
CCV05	Aluminum	9840	10000	98	90 - 110	P	06/10/2025	19:18	LB136097
	Antimony	5120	5000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Arsenic	5170	5000	103	90 - 110	P	06/10/2025	19:18	LB136097
	Barium	10200	10000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Beryllium	243	250	97	90 - 110	P	06/10/2025	19:18	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	19:18	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	19:18	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	19:18	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	19:18	LB136097
	Iron	5340	5000	107	90 - 110	P	06/10/2025	19:18	LB136097
	Lead	5090	5000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Magnesium	24400	25000	98	90 - 110	P	06/10/2025	19:18	LB136097
	Manganese	2490	2500	100	90 - 110	P	06/10/2025	19:18	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2540	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Potassium	25200	25000	101	90 - 110	P	06/10/2025	19:18	LB136097
	Selenium	5190	5000	104	90 - 110	P	06/10/2025	19:18	LB136097
	Silver	1260	1250	101	90 - 110	P	06/10/2025	19:18	LB136097
	Sodium	25200	25000	101	90 - 110	P	06/10/2025	19:18	LB136097
	Thallium	5000	5000	100	90 - 110	P	06/10/2025	19:18	LB136097
	Vanadium	2540	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Zinc	2510	2500	100	90 - 110	P	06/10/2025	19:18	LB136097
CCV06	Aluminum	10100	10000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Antimony	5120	5000	102	90 - 110	P	06/10/2025	20:09	LB136097
	Arsenic	5160	5000	103	90 - 110	P	06/10/2025	20:09	LB136097
	Barium	9960	10000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	20:09	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Calcium	25100	25000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	20:09	LB136097
	Cobalt	2540	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	20:09	LB136097
	Iron	5150	5000	103	90 - 110	P	06/10/2025	20:09	LB136097
	Lead	5110	5000	102	90 - 110	P	06/10/2025	20:09	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Manganese	2500	2500	100	90 - 110	P	06/10/2025	20:09	LB136097
	Nickel	2550	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Potassium	24100	25000	96	90 - 110	P	06/10/2025	20:09	LB136097
	Selenium	5190	5000	104	90 - 110	P	06/10/2025	20:09	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	20:09	LB136097
	Sodium	23800	25000	95	90 - 110	P	06/10/2025	20:09	LB136097
	Thallium	5010	5000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Vanadium	2560	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Zinc	2570	2500	103	90 - 110	P	06/10/2025	20:09	LB136097
CCV07	Aluminum	10100	10000	101	90 - 110	P	06/10/2025	21:04	LB136097
	Antimony	5160	5000	103	90 - 110	P	06/10/2025	21:04	LB136097
	Arsenic	5230	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	21:04	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	261	250	104	90 - 110	P	06/10/2025	21:04	LB136097
	Cadmium	2600	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Calcium	25600	25000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	21:04	LB136097
	Cobalt	2590	2500	103	90 - 110	P	06/10/2025	21:04	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	21:04	LB136097
	Iron	5190	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Lead	5210	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Magnesium	25400	25000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Manganese	2550	2500	102	90 - 110	P	06/10/2025	21:04	LB136097
	Nickel	2590	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Potassium	23600	25000	94	90 - 110	P	06/10/2025	21:04	LB136097
	Selenium	5230	5000	105	90 - 110	P	06/10/2025	21:04	LB136097
	Silver	1280	1250	102	90 - 110	P	06/10/2025	21:04	LB136097
	Sodium	23500	25000	94	90 - 110	P	06/10/2025	21:04	LB136097
	Thallium	5090	5000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Vanadium	2590	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Zinc	2540	2500	102	90 - 110	P	06/10/2025	21:04	LB136097
CCV08	Aluminum	10100	10000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Antimony	5200	5000	104	90 - 110	P	06/10/2025	22:04	LB136097
	Arsenic	5240	5000	105	90 - 110	P	06/10/2025	22:04	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	22:04	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Calcium	25400	25000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	22:04	LB136097
	Cobalt	2560	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Copper	1280	1250	103	90 - 110	P	06/10/2025	22:04	LB136097
	Iron	5140	5000	103	90 - 110	P	06/10/2025	22:04	LB136097
	Lead	5130	5000	102	90 - 110	P	06/10/2025	22:04	LB136097
	Magnesium	25300	25000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Manganese	2540	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Nickel	2560	2500	103	90 - 110	P	06/10/2025	22:04	LB136097
	Potassium	23500	25000	94	90 - 110	P	06/10/2025	22:04	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q2259

Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	5280	5000	106	90 - 110	P	06/10/2025	22:04	LB136097
	Silver	1280	1250	102	90 - 110	P	06/10/2025	22:04	LB136097
	Sodium	23400	25000	94	90 - 110	P	06/10/2025	22:04	LB136097
	Thallium	5010	5000	100	90 - 110	P	06/10/2025	22:04	LB136097
	Vanadium	2580	2500	103	90 - 110	P	06/10/2025	22:04	LB136097
	Zinc	2550	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
CCV09	Aluminum	10000	10000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Antimony	5110	5000	102	90 - 110	P	06/10/2025	22:56	LB136097
	Arsenic	5150	5000	103	90 - 110	P	06/10/2025	22:56	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	22:56	LB136097
	Beryllium	260	250	104	90 - 110	P	06/10/2025	22:56	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Calcium	25100	25000	101	90 - 110	P	06/10/2025	22:56	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	22:56	LB136097
	Cobalt	2550	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	22:56	LB136097
	Iron	5160	5000	103	90 - 110	P	06/10/2025	22:56	LB136097
	Lead	5100	5000	102	90 - 110	P	06/10/2025	22:56	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Manganese	2510	2500	100	90 - 110	P	06/10/2025	22:56	LB136097
	Nickel	2560	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Potassium	24100	25000	96	90 - 110	P	06/10/2025	22:56	LB136097
	Selenium	5180	5000	104	90 - 110	P	06/10/2025	22:56	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	22:56	LB136097
	Sodium	23900	25000	96	90 - 110	P	06/10/2025	22:56	LB136097
	Thallium	5020	5000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Vanadium	2540	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Zinc	2580	2500	103	90 - 110	P	06/10/2025	22:56	LB136097
CCV10	Aluminum	10200	10000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Antimony	5170	5000	103	90 - 110	P	06/10/2025	23:57	LB136097
	Arsenic	5180	5000	104	90 - 110	P	06/10/2025	23:57	LB136097
	Barium	10000	10000	100	90 - 110	P	06/10/2025	23:57	LB136097
	Beryllium	264	250	106	90 - 110	P	06/10/2025	23:57	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	23:57	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	25400	25000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Chromium	1060	1000	106	90 - 110	P	06/10/2025	23:57	LB136097
	Cobalt	2550	2500	102	90 - 110	P	06/10/2025	23:57	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	23:57	LB136097
	Iron	5200	5000	104	90 - 110	P	06/10/2025	23:57	LB136097
	Lead	5100	5000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Magnesium	25400	25000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Manganese	2530	2500	101	90 - 110	P	06/10/2025	23:57	LB136097
	Nickel	2560	2500	102	90 - 110	P	06/10/2025	23:57	LB136097
	Potassium	24000	25000	96	90 - 110	P	06/10/2025	23:57	LB136097
	Selenium	5230	5000	105	90 - 110	P	06/10/2025	23:57	LB136097
	Silver	1310	1250	104	90 - 110	P	06/10/2025	23:57	LB136097
	Sodium	23600	25000	94	90 - 110	P	06/10/2025	23:57	LB136097
	Thallium	4940	5000	99	90 - 110	P	06/10/2025	23:57	LB136097
	Vanadium	2570	2500	103	90 - 110	P	06/10/2025	23:57	LB136097
	Zinc	2630	2500	105	90 - 110	P	06/10/2025	23:57	LB136097
CCV11	Aluminum	10200	10000	102	90 - 110	P	06/11/2025	01:35	LB136097
	Antimony	5240	5000	105	90 - 110	P	06/11/2025	01:35	LB136097
	Arsenic	5280	5000	106	90 - 110	P	06/11/2025	01:35	LB136097
	Barium	10100	10000	101	90 - 110	P	06/11/2025	01:35	LB136097
	Beryllium	259	250	104	90 - 110	P	06/11/2025	01:35	LB136097
	Cadmium	2570	2500	103	90 - 110	P	06/11/2025	01:35	LB136097
	Calcium	25100	25000	100	90 - 110	P	06/11/2025	01:35	LB136097
	Chromium	1040	1000	104	90 - 110	P	06/11/2025	01:35	LB136097
	Cobalt	2580	2500	103	90 - 110	P	06/11/2025	01:35	LB136097
	Copper	1290	1250	103	90 - 110	P	06/11/2025	01:35	LB136097
	Iron	5060	5000	101	90 - 110	P	06/11/2025	01:35	LB136097
	Lead	5160	5000	103	90 - 110	P	06/11/2025	01:35	LB136097
	Magnesium	24900	25000	100	90 - 110	P	06/11/2025	01:35	LB136097
	Manganese	2520	2500	101	90 - 110	P	06/11/2025	01:35	LB136097
	Nickel	2590	2500	104	90 - 110	P	06/11/2025	01:35	LB136097
	Potassium	23800	25000	95	90 - 110	P	06/11/2025	01:35	LB136097
	Selenium	5320	5000	106	90 - 110	P	06/11/2025	01:35	LB136097
	Silver	1280	1250	103	90 - 110	P	06/11/2025	01:35	LB136097

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Sodium	23700	25000	95	90 - 110	P	06/11/2025	01:35	LB136097
	Thallium	4950	5000	99	90 - 110	P	06/11/2025	01:35	LB136097
	Vanadium	2560	2500	102	90 - 110	P	06/11/2025	01:35	LB136097
	Zinc	2600	2500	104	90 - 110	P	06/11/2025	01:35	LB136097
CCV12	Aluminum	10200	10000	102	90 - 110	P	06/11/2025	02:21	LB136097
	Antimony	4840	5000	97	90 - 110	P	06/11/2025	02:21	LB136097
	Arsenic	4850	5000	97	90 - 110	P	06/11/2025	02:21	LB136097
	Barium	10000	10000	100	90 - 110	P	06/11/2025	02:21	LB136097
	Beryllium	264	250	105	90 - 110	P	06/11/2025	02:21	LB136097
	Cadmium	2400	2500	96	90 - 110	P	06/11/2025	02:21	LB136097
	Calcium	24900	25000	99	90 - 110	P	06/11/2025	02:21	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/11/2025	02:21	LB136097
	Cobalt	2420	2500	97	90 - 110	P	06/11/2025	02:21	LB136097
	Copper	1200	1250	96	90 - 110	P	06/11/2025	02:21	LB136097
	Iron	4930	5000	99	90 - 110	P	06/11/2025	02:21	LB136097
	Lead	4810	5000	96	90 - 110	P	06/11/2025	02:21	LB136097
	Magnesium	24900	25000	100	90 - 110	P	06/11/2025	02:21	LB136097
	Manganese	2490	2500	100	90 - 110	P	06/11/2025	02:21	LB136097
	Nickel	2420	2500	97	90 - 110	P	06/11/2025	02:21	LB136097
	Potassium	23100	25000	92	90 - 110	P	06/11/2025	02:21	LB136097
	Selenium	4880	5000	98	90 - 110	P	06/11/2025	02:21	LB136097
	Silver	1280	1250	102	90 - 110	P	06/11/2025	02:21	LB136097
	Sodium	22800	25000	91	90 - 110	P	06/11/2025	02:21	LB136097
	Thallium	4660	5000	93	90 - 110	P	06/11/2025	02:21	LB136097
	Vanadium	2530	2500	101	90 - 110	P	06/11/2025	02:21	LB136097
	Zinc	2590	2500	104	90 - 110	P	06/11/2025	02:21	LB136097



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Nobis Group SDG No.: Q2259
Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.22	0.2	112	70 - 130	CV	06/09/2025	11:48	LB136058
CRI01	Aluminum	105	100	105	65 - 135	P	06/10/2025	14:50	LB136097
	Antimony	53.3	50.0	107	65 - 135	P	06/10/2025	14:50	LB136097
	Arsenic	22.9	20.0	114	65 - 135	P	06/10/2025	14:50	LB136097
	Barium	98.7	100	99	65 - 135	P	06/10/2025	14:50	LB136097
	Beryllium	6.22	6.0	104	65 - 135	P	06/10/2025	14:50	LB136097
	Cadmium	6.07	6.0	101	65 - 135	P	06/10/2025	14:50	LB136097
	Calcium	2030	2000	102	65 - 135	P	06/10/2025	14:50	LB136097
	Chromium	10.7	10.0	107	65 - 135	P	06/10/2025	14:50	LB136097
	Cobalt	30.4	30.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Copper	22.7	20.0	114	65 - 135	P	06/10/2025	14:50	LB136097
	Iron	111	100	111	65 - 135	P	06/10/2025	14:50	LB136097
	Lead	13.4	12.0	112	65 - 135	P	06/10/2025	14:50	LB136097
	Magnesium	2040	2000	102	65 - 135	P	06/10/2025	14:50	LB136097
	Manganese	21.0	20.0	105	65 - 135	P	06/10/2025	14:50	LB136097
	Nickel	40.8	40.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Potassium	1990	2000	99	65 - 135	P	06/10/2025	14:50	LB136097
	Selenium	19.5	20.0	98	65 - 135	P	06/10/2025	14:50	LB136097
	Silver	10.6	10.0	106	65 - 135	P	06/10/2025	14:50	LB136097
	Sodium	1890	2000	95	65 - 135	P	06/10/2025	14:50	LB136097
	Thallium	40.8	40.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Vanadium	39.1	40.0	98	65 - 135	P	06/10/2025	14:50	LB136097
	Zinc	44.1	40.0	110	65 - 135	P	06/10/2025	14:50	LB136097



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Nobis Group				SDG No.:	Q2259				
Contract:	NOBI03	Lab Code:	CHEM	Case No.:	Q2259	SAS No.:	Q2259			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB30	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/09/2025	11:36	LB136058

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q2259</u>								
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u>			SAS No.: <u>Q2259</u>					
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/09/2025	11:46	LB136058
CCB14	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/09/2025	12:30	LB136058
CCB15	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/09/2025	12:59	LB136058
CCB16	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/09/2025	13:53	LB136058
CCB17	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/09/2025	14:21	LB136058
CCB18	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/09/2025	14:33	LB136058

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q2259</u>								
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u>	SAS No.: <u>Q2259</u>							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	14:45	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	14:45	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	14:45	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	14:45	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	14:45	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	14:45	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	14:45	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	14:45	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	14:45	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	14:45	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	14:45	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	14:45	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	14:45	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	14:45	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	14:45	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	14:45	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	14:45	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	14:45	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	14:45	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	14:45	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	14:45	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	14:45	LB136097

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: Q2259								
Contract:	NOBI03	Lab Code:	CHEM	Case No.: Q2259			SAS No.: Q2259			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	15:35	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	15:35	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	15:35	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	15:35	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	15:35	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	15:35	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	15:35	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	15:35	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	15:35	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	15:35	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	15:35	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	15:35	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	15:35	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	15:35	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	15:35	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	15:35	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	15:35	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	15:35	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	15:35	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	15:35	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	15:35	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	15:35	LB136097
CCB02	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	16:32	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	16:32	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	16:32	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	16:32	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	16:32	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	16:32	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	16:32	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	16:32	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	16:32	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	16:32	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	16:32	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	16:32	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	16:32	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	16:32	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	16:32	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	16:32	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	16:32	LB136097

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: Q2259								
Contract:	NOBI03	Lab Code:	CHEM	Case No.:	Q2259	SAS No.:	Q2259			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	16:32	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	16:32	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	16:32	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	16:32	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	16:32	LB136097
CCB03	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	17:40	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	17:40	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	17:40	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	17:40	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	17:40	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	17:40	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	17:40	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	17:40	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	17:40	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	17:40	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	17:40	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	17:40	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	17:40	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	17:40	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	17:40	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	17:40	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	17:40	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	17:40	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	17:40	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	17:40	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	17:40	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	17:40	LB136097
CCB04	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	18:32	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	18:32	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	18:32	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	18:32	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	18:32	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	18:32	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	18:32	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	18:32	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	18:32	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	18:32	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	18:32	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	18:32	LB136097

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q2259</u>								
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u>			SAS No.: <u>Q2259</u>					
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	18:32	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	18:32	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	18:32	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	18:32	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	18:32	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	18:32	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	18:32	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	18:32	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	18:32	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	18:32	LB136097
CCB05	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	19:22	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	19:22	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	19:22	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	19:22	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	19:22	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	19:22	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	19:22	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	19:22	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	19:22	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	19:22	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	19:22	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	19:22	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	19:22	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	19:22	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	19:22	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	19:22	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	19:22	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	19:22	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	19:22	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	19:22	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	19:22	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	19:22	LB136097
CCB06	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	20:14	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	20:14	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	20:14	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	20:14	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	20:14	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	20:14	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	20:14	LB136097

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q2259</u>								
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u>	SAS No.: <u>Q2259</u>							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	20:14	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	20:14	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	20:14	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	20:14	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	20:14	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	20:14	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	20:14	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	20:14	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	20:14	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	20:14	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	20:14	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	20:14	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	20:14	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	20:14	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	20:14	LB136097
CCB07	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	21:08	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	21:08	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	21:08	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	21:08	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	21:08	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	21:08	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	21:08	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	21:08	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	21:08	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	21:08	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	21:08	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	21:08	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	21:08	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	21:08	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	21:08	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	21:08	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	21:08	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	21:08	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	21:08	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	21:08	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	21:08	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	21:08	LB136097
CCB08	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	22:08	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	22:08	LB136097

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q2259</u>								
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u>	SAS No.: <u>Q2259</u>							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	22:08	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	22:08	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	22:08	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	22:08	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	22:08	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	22:08	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	22:08	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	22:08	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	22:08	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	22:08	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	22:08	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	22:08	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	22:08	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	22:08	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	22:08	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	22:08	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	22:08	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	22:08	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	22:08	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	22:08	LB136097
CCB09	Aluminum	11.3	+/-50	U	80.0	100	P	06/10/2025	23:01	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/10/2025	23:01	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/10/2025	23:01	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/10/2025	23:01	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/10/2025	23:01	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/10/2025	23:01	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/10/2025	23:01	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/10/2025	23:01	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/10/2025	23:01	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/10/2025	23:01	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/10/2025	23:01	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/10/2025	23:01	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/10/2025	23:01	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/10/2025	23:01	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/10/2025	23:01	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/10/2025	23:01	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/10/2025	23:01	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/10/2025	23:01	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/10/2025	23:01	LB136097

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: Q2259								
Contract:	NOBI03	Lab Code:	CHEM	Case No.: Q2259			SAS No.: Q2259			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	20.0	40.0	P	06/10/2025	23:01	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/10/2025	23:01	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/10/2025	23:01	LB136097
CCB10	Aluminum	11.3	+/-50	U	80.0	100	P	06/11/2025	00:02	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/11/2025	00:02	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/11/2025	00:02	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/11/2025	00:02	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/11/2025	00:02	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/11/2025	00:02	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/11/2025	00:02	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/11/2025	00:02	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/11/2025	00:02	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/11/2025	00:02	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/11/2025	00:02	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/11/2025	00:02	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/11/2025	00:02	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/11/2025	00:02	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/11/2025	00:02	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/11/2025	00:02	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/11/2025	00:02	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/11/2025	00:02	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/11/2025	00:02	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/11/2025	00:02	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/11/2025	00:02	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/11/2025	00:02	LB136097
	Aluminum	11.3	+/-50	U	80.0	100	P	06/11/2025	01:39	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/11/2025	01:39	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/11/2025	01:39	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/11/2025	01:39	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/11/2025	01:39	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/11/2025	01:39	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/11/2025	01:39	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/11/2025	01:39	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/11/2025	01:39	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/11/2025	01:39	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/11/2025	01:39	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/11/2025	01:39	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/11/2025	01:39	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/11/2025	01:39	LB136097

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q2259</u>								
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u>	SAS No.: <u>Q2259</u>							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	3.06	+/-20	U	10.0	40.0	P	06/11/2025	01:39	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/11/2025	01:39	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/11/2025	01:39	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/11/2025	01:39	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/11/2025	01:39	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/11/2025	01:39	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/11/2025	01:39	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/11/2025	01:39	LB136097
CCB12	Aluminum	11.3	+/-50	U	80.0	100	P	06/11/2025	02:25	LB136097
	Antimony	6.76	+/-25	U	12.5	50.0	P	06/11/2025	02:25	LB136097
	Arsenic	5.12	+/-10	U	15.0	20.0	P	06/11/2025	02:25	LB136097
	Barium	14.6	+/-50	U	25.0	100	P	06/11/2025	02:25	LB136097
	Beryllium	0.56	+/-3	U	1.50	6.00	P	06/11/2025	02:25	LB136097
	Cadmium	0.50	+/-3	U	1.50	6.00	P	06/11/2025	02:25	LB136097
	Calcium	234	+/-1000	U	500	2000	P	06/11/2025	02:25	LB136097
	Chromium	2.12	+/-5	U	5.00	10.0	P	06/11/2025	02:25	LB136097
	Cobalt	2.26	+/-15	U	7.50	30.0	P	06/11/2025	02:25	LB136097
	Copper	4.60	+/-10	U	16.0	20.0	P	06/11/2025	02:25	LB136097
	Iron	23.4	+/-50	U	80.0	100	P	06/11/2025	02:25	LB136097
	Lead	2.30	+/-6	U	9.60	12.0	P	06/11/2025	02:25	LB136097
	Magnesium	244	+/-1000	U	500	2000	P	06/11/2025	02:25	LB136097
	Manganese	5.94	+/-10	U	15.0	20.0	P	06/11/2025	02:25	LB136097
	Nickel	3.06	+/-20	U	10.0	40.0	P	06/11/2025	02:25	LB136097
	Potassium	918	+/-1000	U	1600	2000	P	06/11/2025	02:25	LB136097
	Selenium	9.64	+/-10	U	16.0	20.0	P	06/11/2025	02:25	LB136097
	Silver	1.62	+/-5	U	5.00	10.0	P	06/11/2025	02:25	LB136097
	Sodium	868	+/-1000	U	1000	2000	P	06/11/2025	02:25	LB136097
	Thallium	4.38	+/-20	U	20.0	40.0	P	06/11/2025	02:25	LB136097
	Vanadium	6.26	+/-20	U	20.0	40.0	P	06/11/2025	02:25	LB136097
	Zinc	16.7	+/-20	U	15.0	40.0	P	06/11/2025	02:25	LB136097

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2259

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168355BL		SOLID		Batch Number:		PB168355		Prep Date:	06/09/2025	
	Mercury	0.0070	<0.013	U	0.010	0.013	CV	06/09/2025	13:04	LB136058

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2259

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168353BL	SOLID			Batch Number:	PB168353			Prep Date:	06/09/2025	
	Aluminum	0.84	<2.5	U	4.00	5.00	P	06/10/2025	20:05	LB136097
	Antimony	0.22	<1.25	U	0.63	2.50	P	06/10/2025	20:05	LB136097
	Arsenic	0.19	<0.5	U	0.80	1.00	P	06/10/2025	20:05	LB136097
	Barium	0.73	<2.5	U	1.25	5.00	P	06/10/2025	20:05	LB136097
	Beryllium	0.025	<0.15	U	0.075	0.30	P	06/10/2025	20:05	LB136097
	Cadmium	0.024	<0.15	U	0.075	0.30	P	06/10/2025	20:05	LB136097
	Calcium	11.1	<50	U	25.0	100	P	06/10/2025	20:05	LB136097
	Chromium	0.047	<0.25	U	0.13	0.50	P	06/10/2025	20:05	LB136097
	Cobalt	0.10	<0.75	U	0.38	1.50	P	06/10/2025	20:05	LB136097
	Copper	0.22	<0.5	U	0.80	1.00	P	06/10/2025	20:05	LB136097
	Iron	3.99	<2.5	U	4.00	5.00	P	06/10/2025	20:05	LB136097
	Lead	0.13	<0.3	U	0.48	0.60	P	06/10/2025	20:05	LB136097
	Magnesium	12.0	<50	U	25.0	100	P	06/10/2025	20:05	LB136097
	Manganese	0.14	<0.5	U	0.25	1.00	P	06/10/2025	20:05	LB136097
	Nickel	0.13	<1	U	0.50	2.00	P	06/10/2025	20:05	LB136097
	Potassium	27.7	<50	U	80.0	100	P	06/10/2025	20:05	LB136097
	Selenium	0.26	<0.5	U	0.80	1.00	P	06/10/2025	20:05	LB136097
	Silver	0.12	<0.25	U	0.25	0.50	P	06/10/2025	20:05	LB136097
	Sodium	17.8	<50	U	80.0	100	P	06/10/2025	20:05	LB136097
	Thallium	0.23	<1	U	1.00	2.00	P	06/10/2025	20:05	LB136097
	Vanadium	0.25	<1	U	1.00	2.00	P	06/10/2025	20:05	LB136097
	Zinc	0.23	<1	U	0.50	2.00	P	06/10/2025	20:05	LB136097

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client:	Nobis Group	SDG No.:	Q2259
Contract:	NOBI03	Lab Code:	CHEM
ICS Source:	EPA	Case No.:	Q2259
		SAS No.:	Q2259
		Instrument ID:	P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	256000	255000	100	216000	294000	06/10/2025	14:54	LB136097
	Antimony	-2.43			-50	50	06/10/2025	14:54	LB136097
	Arsenic	8.34			-20	20	06/10/2025	14:54	LB136097
	Barium	2.84	6.0	47	-94	106	06/10/2025	14:54	LB136097
	Beryllium	1.10			-6	6	06/10/2025	14:54	LB136097
	Cadmium	4.20	1.0	420	-5	7	06/10/2025	14:54	LB136097
	Calcium	239000	245000	98	208000	282000	06/10/2025	14:54	LB136097
	Chromium	47.4	52.0	91	42	62	06/10/2025	14:54	LB136097
	Cobalt	1.54			-30	30	06/10/2025	14:54	LB136097
	Copper	3.36	2.0	168	-18	22	06/10/2025	14:54	LB136097
	Iron	97000	101000	96	85600	116500	06/10/2025	14:54	LB136097
	Lead	-3.62			-12	12	06/10/2025	14:54	LB136097
	Magnesium	261000	255000	102	216000	294000	06/10/2025	14:54	LB136097
	Manganese	0.37	7.0	5	-13	27	06/10/2025	14:54	LB136097
	Nickel	2.57	2.0	128	-38	42	06/10/2025	14:54	LB136097
	Potassium	-7.55			0	0	06/10/2025	14:54	LB136097
	Selenium	-3.79			-20	20	06/10/2025	14:54	LB136097
	Silver	-2.86			-10	10	06/10/2025	14:54	LB136097
	Sodium	-38.2			0	0	06/10/2025	14:54	LB136097
	Thallium	-8.11			-40	40	06/10/2025	14:54	LB136097
	Vanadium	2.60			-40	40	06/10/2025	14:54	LB136097
	Zinc	6.32			-40	40	06/10/2025	14:54	LB136097
ICSAB01	Aluminum	245000	247000	99	209000	285000	06/10/2025	15:18	LB136097
	Antimony	633	618	102	525	711	06/10/2025	15:18	LB136097
	Arsenic	112	104	108	88.4	120	06/10/2025	15:18	LB136097
	Barium	510	537	95	437	637	06/10/2025	15:18	LB136097
	Beryllium	485	495	98	420	570	06/10/2025	15:18	LB136097
	Cadmium	1010	972	104	826	1120	06/10/2025	15:18	LB136097
	Calcium	230000	235000	98	199000	271000	06/10/2025	15:18	LB136097
	Chromium	549	542	101	460	624	06/10/2025	15:18	LB136097
	Cobalt	508	476	107	404	548	06/10/2025	15:18	LB136097
	Copper	496	511	97	434	588	06/10/2025	15:18	LB136097
	Iron	99000	99300	100	84400	114500	06/10/2025	15:18	LB136097
	Lead	43.7	49.0	89	37	61	06/10/2025	15:18	LB136097
	Magnesium	248000	248000	100	210000	286000	06/10/2025	15:18	LB136097
	Manganese	485	507	96	430	584	06/10/2025	15:18	LB136097
	Nickel	999	954	105	810	1100	06/10/2025	15:18	LB136097
	Potassium	-8.47			0	0	06/10/2025	15:18	LB136097
	Selenium	55.8	46.0	121	26	66	06/10/2025	15:18	LB136097
	Silver	193	201	96	170	232	06/10/2025	15:18	LB136097
	Sodium	-49.9			0	0	06/10/2025	15:18	LB136097
	Thallium	92.5	108	86	68	148	06/10/2025	15:18	LB136097

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	489	491	100	417	565	06/10/2025	15:18	LB136097
	Zinc	1070	952	112	809	1095	06/10/2025	15:18	LB136097



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q2259
contract: NOBI03 **lab code:** CHEM **case no.:** Q2259 **sas no.:** Q2259
matrix: Solid **sample id:** Q2260-01 **client id:** TP10-MHG-WCMS
Percent Solids for Sample: 90.6 **Spiked ID:** Q2260-01MS **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	9190		8000		100	1194		P
Antimony	mg/Kg	79 - 114	15.6		2.35	U	41.1	38	N	P
Arsenic	mg/Kg	82 - 111	41.5		6.73		41.1	85		P
Barium	mg/Kg	83 - 113	33.7		25.4		10.3	80	N	P
Beryllium	mg/Kg	83 - 113	9.71		1.13		10.3	83		P
Cadmium	mg/Kg	82 - 113	11.8		1.50		10.3	100		P
Calcium	mg/Kg	81 - 116	1030		916		51.3	218		P
Chromium	mg/Kg	85 - 113	26.9		9.52		20.5	85		P
Cobalt	mg/Kg	85 - 112	22.7		12.4		10.3	100		P
Copper	mg/Kg	81 - 117	25.3		21.5		15.4	25	N	P
Iron	mg/Kg	81 - 118	28200		27600		150	419		P
Lead	mg/Kg	81 - 112	54.4		10.6		51.3	85		P
Magnesium	mg/Kg	78 - 115	767		676		100	92		P
Manganese	mg/Kg	84 - 114	286		275		10.3	106		P
Nickel	mg/Kg	83 - 113	41.0		15.1		25.7	101		P
Potassium	mg/Kg	81 - 116	816		403		510	81		P
Selenium	mg/Kg	78 - 111	72.4		0.94	U	100	72	N	P
Silver	mg/Kg	82 - 112	2.61		0.47	U	3.9	67	N	P
Sodium	mg/Kg	83 - 118	870		686		150	123		P
Thallium	mg/Kg	83 - 111	91.3		1.88	U	100	91		P
Vanadium	mg/Kg	82 - 114	40.7		27.3		15.4	87		P
Zinc	mg/Kg	82 - 113	35.5		32.1		10.3	33	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q2259
contract: NOBI03 **lab code:** CHEM **case no.:** Q2259 **sas no.:** Q2259
matrix: Solid **sample id:** Q2260-01 **client id:** TP10-MHG-WCMSD
Percent Solids for Sample: 90.6 **Spiked ID:** Q2260-01MSD **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	9490		8000		97.7	1531		P
Antimony	mg/Kg	79 - 114	14.0		2.35	U	39.1	36	N	P
Arsenic	mg/Kg	82 - 111	38.4		6.73		39.1	81	N	P
Barium	mg/Kg	83 - 113	31.8		25.4		9.8	66	N	P
Beryllium	mg/Kg	83 - 113	9.08		1.13		9.8	81	N	P
Cadmium	mg/Kg	82 - 113	11.2		1.50		9.8	99		P
Calcium	mg/Kg	81 - 116	957		916		48.8	83		P
Chromium	mg/Kg	85 - 113	25.2		9.52		19.5	80	N	P
Cobalt	mg/Kg	85 - 112	21.7		12.4		9.8	94		P
Copper	mg/Kg	81 - 117	23.8		21.5		14.7	15	N	P
Iron	mg/Kg	81 - 118	26000		27600		150	-1061		P
Lead	mg/Kg	81 - 112	51.3		10.6		48.8	83		P
Magnesium	mg/Kg	78 - 115	796		676		97.7	123		P
Manganese	mg/Kg	84 - 114	262		275		9.8	-133		P
Nickel	mg/Kg	83 - 113	39.0		15.1		24.4	98		P
Potassium	mg/Kg	81 - 116	799		403		490	81		P
Selenium	mg/Kg	78 - 111	66.0		0.94	U	97.7	68	N	P
Silver	mg/Kg	82 - 112	2.24		0.47	U	3.7	60	N	P
Sodium	mg/Kg	83 - 118	846		686		150	106		P
Thallium	mg/Kg	83 - 111	85.6		1.88	U	97.7	88		P
Vanadium	mg/Kg	82 - 114	38.1		27.3		14.7	73	N	P
Zinc	mg/Kg	82 - 113	34.2		32.1		9.8	21	N	P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2259</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>Q2259</u> sas no.: <u>Q2259</u>
matrix: <u>Solid</u>	sample id: <u>Q2266-05</u>	client id: <u>WC-5MS</u>
Percent Solids for Sample: 87.6	Spiked ID: Q2266-05MS	Percent Solids for Spike Sample: 87.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.26		0.015	U	0.28	93		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2259</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>Q2259</u> sas no.: <u>Q2259</u>
matrix: <u>Solid</u>	sample id: <u>Q2266-05</u>	client id: <u>WC-5MSD</u>
Percent Solids for Sample: 87.6	Spiked ID: Q2266-05MSD	Percent Solids for Spike Sample: 87.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.27		0.015	U	0.29	92		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Matrix: Solid **Level:** LOW **Client ID:** TP10-MHG-WCA
Sample ID: Q2260-01 **Spiked ID:** Q2260-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	79 - 114	28.6		2.35	U	37.6	76	N	P
Arsenic	mg/Kg	82 - 111	36.5		6.73		37.6	79	N	P
Barium	mg/Kg	83 - 113	33.0		25.4		9.40	81	N	P
Beryllium	mg/Kg	83 - 113	8.07		1.13		9.40	74	N	P
Chromium	mg/Kg	85 - 113	24.5		9.52		18.8	80	N	P
Copper	mg/Kg	81 - 117	30.8		21.5		14.1	66	N	P
Selenium	mg/Kg	78 - 111	65.5		0.94	U	93.9	70	N	P
Silver	mg/Kg	82 - 112	2.56		0.47	U	3.50	73	N	P
Vanadium	mg/Kg	82 - 114	38.4		27.3		14.1	78	N	P
Zinc	mg/Kg	82 - 113	38.5		32.1		9.40	68	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Matrix: Solid **Sample ID:** Q2260-01 **Client ID:** TP10-MHG-WCDUP
Percent Solids for Sample: 90.6 **Duplicate ID** Q2260-01DUP **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8000		8380		5		P
Antimony	mg/Kg	20	2.35	U	2.41	U			P
Arsenic	mg/Kg	20	6.73		6.82		1		P
Barium	mg/Kg	20	25.4		26.2		3		P
Beryllium	mg/Kg	20	1.13		1.19		5		P
Cadmium	mg/Kg	20	1.50		1.48		1		P
Calcium	mg/Kg	20	916		933		2		P
Chromium	mg/Kg	20	9.52		9.69		2		P
Cobalt	mg/Kg	20	12.4		12.7		2		P
Copper	mg/Kg	20	21.5		24.0		11		P
Iron	mg/Kg	20	27600		27700		0		P
Lead	mg/Kg	20	10.6		11.7		9		P
Magnesium	mg/Kg	20	676		704		4		P
Manganese	mg/Kg	20	275		275		0		P
Nickel	mg/Kg	20	15.1		15.9		5		P
Potassium	mg/Kg	20	403		421		4		P
Selenium	mg/Kg	20	0.94	U	0.96	U			P
Silver	mg/Kg	20	0.47	U	0.48	U			P
Sodium	mg/Kg	20	686		703		2		P
Thallium	mg/Kg	20	1.88	U	1.93	U			P
Vanadium	mg/Kg	20	27.3		28.0		3		P
Zinc	mg/Kg	20	32.1		34.6		7		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Matrix: Solid **Sample ID:** Q2260-01MS **Client ID:** TP10-MHG-WCMSD
Percent Solids for Sample: 90.6 **Duplicate ID** Q2260-01MSD **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9190		9490		3		P
Antimony	mg/Kg	20	15.6		14.0		11		P
Arsenic	mg/Kg	20	41.5		38.4		8		P
Barium	mg/Kg	20	33.7		31.8		6		P
Beryllium	mg/Kg	20	9.71		9.08		7		P
Cadmium	mg/Kg	20	11.8		11.2		5		P
Calcium	mg/Kg	20	1030		957		7		P
Chromium	mg/Kg	20	26.9		25.2		7		P
Cobalt	mg/Kg	20	22.7		21.7		5		P
Copper	mg/Kg	20	25.3		23.8		6		P
Iron	mg/Kg	20	28200		26000		8		P
Lead	mg/Kg	20	54.4		51.3		6		P
Magnesium	mg/Kg	20	767		796		4		P
Manganese	mg/Kg	20	286		262		9		P
Nickel	mg/Kg	20	41.0		39.0		5		P
Potassium	mg/Kg	20	816		799		2		P
Selenium	mg/Kg	20	72.4		66.0		9		P
Silver	mg/Kg	20	2.61		2.24		15		P
Sodium	mg/Kg	20	870		846		3		P
Thallium	mg/Kg	20	91.3		85.6		6		P
Vanadium	mg/Kg	20	40.7		38.1		7		P
Zinc	mg/Kg	20	35.5		34.2		4		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2259</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2259</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2266-05</u>	Client ID:	<u>WC-5DUP</u>
Percent Solids for Sample:	87.6	Duplicate ID	Q2266-05DUP	Percent Solids for Spike Sample:	87.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.015	U	0.015	U			CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Matrix: Solid **Sample ID:** Q2266-05MS **Client ID:** WC-5MSD
Percent Solids for Sample: 87.6 **Duplicate ID** Q2266-05MSD **Percent Solids for Spike Sample:** 87.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.26		0.27		2		CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168353BS							
Aluminum	mg/Kg	100	94.2		94	74 - 119	P
Antimony	mg/Kg	40.0	40.0		100	79 - 114	P
Arsenic	mg/Kg	40.0	39.1		98	82 - 111	P
Barium	mg/Kg	10.0	9.65		96	83 - 113	P
Beryllium	mg/Kg	10.0	9.56		96	83 - 113	P
Cadmium	mg/Kg	10.0	9.86		99	82 - 113	P
Calcium	mg/Kg	50.0	49.2	J	98	81 - 116	P
Chromium	mg/Kg	20.0	20.3		102	85 - 113	P
Cobalt	mg/Kg	10.0	9.88		99	85 - 112	P
Copper	mg/Kg	15.0	15.5		103	81 - 117	P
Iron	mg/Kg	150	156		104	81 - 118	P
Lead	mg/Kg	50.0	48.8		98	81 - 112	P
Magnesium	mg/Kg	100	92.6	J	93	78 - 115	P
Manganese	mg/Kg	10.0	9.91		99	84 - 114	P
Nickel	mg/Kg	25.0	24.9		100	83 - 113	P
Potassium	mg/Kg	500	468		94	81 - 116	P
Selenium	mg/Kg	100	98.7		99	78 - 111	P
Silver	mg/Kg	3.8	3.76		99	82 - 112	P
Sodium	mg/Kg	150	134		89	83 - 118	P
Thallium	mg/Kg	100	98.2		98	83 - 111	P
Vanadium	mg/Kg	15.0	14.6		97	82 - 114	P
Zinc	mg/Kg	10.0	10.4		104	82 - 113	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168355BS Mercury	mg/Kg	0.27	0.26		97	80 - 124	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

TP10-MHG-WCL

Lab Name: Chemtech Consulting Group

Contract: NOBI03

Lab Code: CHEM Lb No.: lb136097 Lab Sample ID : Q2260-01L SDG No.: Q2259

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Differ- ence	Q	M
	C			C					
Aluminum	8000			9130			14		P
Antimony	2.35	U		11.7	U				P
Arsenic	6.73			8.82			31		P
Barium	25.4			28.7			13		P
Beryllium	1.13			1.54			37		P
Cadmium	1.50			0.51	J		66		P
Calcium	916			1130			24		P
Chromium	9.52			12.3			29		P
Cobalt	12.4			13.4			7		P
Copper	21.5			22.7			5		P
Iron	27600			34400			24		P
Lead	10.6			8.99			15		P
Magnesium	676			809			20		P
Manganese	275			367			33		P
Nickel	15.1			15.5			3		P
Potassium	403			405	J		0		P
Selenium	0.94	U		4.70	U				P
Silver	0.47	U		2.35	U				P
Sodium	686			709			3		P
Thallium	1.88	U		9.39	U				P
Vanadium	27.3			33.0			21		P
Zinc	32.1			35.4			10		P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

WC-5L

Lab Name: Chemtech Consulting Group **Contract:** NOBI03
Lab Code: CHEM **Lb No.:** lb136058 **Lab Sample ID :** Q2266-05L **SDG No.:** Q2259
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.015 U	0.073 U			CV



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2259

Contract: NOBI03

Lab Code: CHEM

Case No.: Q2259

SAS No.: Q2259

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group SDG No.: Q2259
 Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259
 Instrument ID: _____ Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2259

Contract: NOBI03

Lab Code: CHEM

Case No.: Q2259

SAS No.: Q2259

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Instrument ID: _____ **Date:** _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Instrument ID: _____ **Date:** _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Method:**
Case No.: Q2259 **SAS No.:** Q2259

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168353							
PB168353BL	PB168353BL	MB	SOLID	06/09/2025	2.00	100.0	100.00
PB168353BS	PB168353BS	LCS	SOLID	06/09/2025	2.00	100.0	100.00
Q2259-01	OU4-PCS-TC-36-060525	SAM	SOLID	06/09/2025	2.14	100.0	94.30
Q2259-03	OU4-PCS-TC-37-060525	SAM	SOLID	06/09/2025	2.20	100.0	94.30
Q2259-05	OU4-TS-29-060525	SAM	SOLID	06/09/2025	2.20	100.0	75.60
Q2259-06	OU4-TS-30-060525	SAM	SOLID	06/09/2025	2.24	100.0	79.00
Q2260-01DUP	TP10-MHG-WCDUP	DUP	SOLID	06/09/2025	2.29	100.0	90.60
Q2260-01MS	TP10-MHG-WCMS	MS	SOLID	06/09/2025	2.15	100.0	90.60
Q2260-01MSD	TP10-MHG-WCMSD	MSD	SOLID	06/09/2025	2.26	100.0	90.60

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Method:**
Case No.: Q2259 **SAS No.:** Q2259

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168355							
PB168355BL	PB168355BL	MB	SOLID	06/09/2025	0.54	35.0	100.00
PB168355BS	PB168355BS	LCS	SOLID	06/09/2025	0.52	35.0	100.00
Q2259-01	OU4-PCS-TC-36-060525	SAM	SOLID	06/09/2025	0.55	35.0	94.30
Q2259-03	OU4-PCS-TC-37-060525	SAM	SOLID	06/09/2025	0.58	35.0	94.30
Q2259-05	OU4-TS-29-060525	SAM	SOLID	06/09/2025	0.57	35.0	75.60
Q2259-06	OU4-TS-30-060525	SAM	SOLID	06/09/2025	0.50	35.0	79.00
Q2266-05DUP	WC-5DUP	DUP	SOLID	06/09/2025	0.54	35.0	87.60
Q2266-05MS	WC-5MS	MS	SOLID	06/09/2025	0.57	35.0	87.60
Q2266-05MSD	WC-5MSD	MSD	SOLID	06/09/2025	0.55	35.0	87.60

metals
- 14 -
ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q2259 **Sas no.:** Q2259 **Sdg no.:** Q2259

Instrument id number: **Method:** **Run number:** LB136058

Start date: 06/09/2025 **End date:** 06/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1112	HG
S0.2	S0.2	1	1114	HG
S2.5	S2.5	1	1117	HG
S5	S5	1	1119	HG
S7.5	S7.5	1	1121	HG
S10	S10	1	1126	HG
ICV30	ICV30	1	1134	HG
ICB30	ICB30	1	1136	HG
CCV13	CCV13	1	1144	HG
CCB13	CCB13	1	1146	HG
CRA	CRA	1	1148	HG
CCV14	CCV14	1	1228	HG
CCB14	CCB14	1	1230	HG
CCV15	CCV15	1	1257	HG
CCB15	CCB15	1	1259	HG
PB168355BL	PB168355BL	1	1304	HG
PB168355BS	PB168355BS	1	1306	HG
Q2259-01	OU4-PCS-TC-36-060525	1	1308	HG
Q2259-03	OU4-PCS-TC-37-060525	1	1311	HG
Q2259-05	OU4-TS-29-060525	1	1313	HG
Q2259-06	OU4-TS-30-060525	1	1315	HG
CCV16	CCV16	1	1351	HG
CCB16	CCB16	1	1353	HG
Q2266-05DUP	WC-5DUP	1	1357	HG
Q2266-05MS	WC-5MS	1	1402	HG
Q2266-05MSD	WC-5MSD	1	1407	HG
Q2266-05L	WC-5L	5	1414	HG
CCV17	CCV17	1	1419	HG
CCB17	CCB17	1	1421	HG
CCV18	CCV18	1	1430	HG
CCB18	CCB18	1	1433	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q2259 **Sas no.:** Q2259 **Sdg no.:** Q2259

Instrument id number: **Method:** **Run number:** LB136097

Start date: 06/10/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1409	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1414	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1422	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1437	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1441	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1445	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1450	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1454	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1518	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1530	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1535	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1628	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1632	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1736	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1740	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1828	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1832	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-03	OU4-PCS-TC-37-060525	1	1905	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-05	OU4-TS-29-060525	1	1910	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-06	OU4-TS-30-060525	1	1914	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1918	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1922	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2260-01DUP	TP10-MHG-WCDUP	1	1944	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2260-01L	TP10-MHG-WCL	5	1948	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2260-01MS	TP10-MHG-WCMS	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2260-01MSD	TP10-MHG-WCMSD	1	1957	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2260-01A	TP10-MHG-WCA	1	2001	Ag,As,Ba,Be,Cr,Cu,Sb,Se,V,Zn
PB168353BL	PB168353BL	1	2005	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2009	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2014	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168353BS	PB168353BS	1	2022	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-01	OU4-PCS-TC-36-060525	1	2026	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	2104	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2108	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2208	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2256	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2301	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q2259 **Sas no.:** Q2259 **Sdg no.:** Q2259

Instrument id number: **Method:** **Run number:** LB136097

Start date: 06/10/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV10	CCV10	1	2357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	0002	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	0135	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	0139	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV12	CCV12	1	0221	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	0225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

LAB CHRONICLE

OrderID:	Q2259	OrderDate:	6/6/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	OU4-PCS-TC-36-0605 25	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-02	OU4-PCS-TC-36-0605 25	Water			06/05/25			06/06/25
			SPLP Mercury	7470A		06/11/25	06/12/25	
			SPLP MetalGroup3	6020B		06/10/25	06/20/25	
Q2259-03	OU4-PCS-TC-37-0605 25	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-04	OU4-PCS-TC-37-0605 25	Water			06/05/25			06/06/25
			SPLP Mercury	7470A		06/11/25	06/12/25	
			SPLP MetalGroup3	6020B		06/10/25	06/20/25	
Q2259-05	OU4-TS-29-060525	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-06	OU4-TS-30-060525	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	

Hit Summary Sheet
SW-846

SDG No.: Q2259 **Order ID:** Q2259
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-PCS-TC-36-060525									
Q2259-02	OU4-PCS-TC-36-060525	Water	Arsenic	2.25	JD	0.45	1.25	5.00	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Barium	84.3	D	1.05	6.25	50.0	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Chromium	6.30	JD	1.05	3.75	10.0	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Copper	44.9	D	1.50	7.50	10.0	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Nickel	62.2	D	1.35	3.75	5.00	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Mercury	0.23		0.076	0.16	0.20	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Vanadium	265	D	0.39	1.25	25.0	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Zinc	672	D	6.25	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-37-060525									
Q2259-04	OU4-PCS-TC-37-060525	Water	Arsenic	2.10	JD	0.45	1.25	5.00	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Barium	94.6	D	1.05	6.25	50.0	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Chromium	7.10	JD	1.05	3.75	10.0	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Copper	95.0	D	1.50	7.50	10.0	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Nickel	61.7	D	1.35	3.75	5.00	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Vanadium	259	D	0.39	1.25	25.0	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Zinc	726	D	6.25	7.50	25.0	ug/L



SAMPLE DATA

A

B

C

D

E

F

G

H

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UD	5	0.55	1.25	10.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-38-2	Arsenic	2.25	JD	5	0.45	1.25	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-39-3	Barium	84.3	DN	5	1.05	6.25	50.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-43-9	Cadmium	2.50	UD	5	1.70	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-47-3	Chromium	6.30	JD	5	1.05	3.75	10.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-50-8	Copper	44.9	D*	5	1.50	7.50	10.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7439-92-1	Lead	3.75	UDN5		1.05	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7439-97-6	Mercury	0.23	N	1	0.076	0.16	0.20	ug/L	06/11/25 11:05	06/12/25 10:32	7470A	
7440-02-0	Nickel	62.2	D	5	1.35	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-22-4	Silver	2.50	UDN5		0.30	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-28-0	Thallium	2.50	UDN5		0.30	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-62-2	Vanadium	265	D	5	0.39	1.25	25.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-66-6	Zinc	672	D	5	6.25	7.50	25.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UD	5	0.55	1.25	10.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-38-2	Arsenic	2.10	JD	5	0.45	1.25	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-39-3	Barium	94.6	DN	5	1.05	6.25	50.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-43-9	Cadmium	2.50	UD	5	1.70	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-47-3	Chromium	7.10	JD	5	1.05	3.75	10.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-50-8	Copper	95.0	D*	5	1.50	7.50	10.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7439-92-1	Lead	3.75	UDN5		1.05	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	06/11/25 11:05	06/12/25 10:35	7470A	
7440-02-0	Nickel	61.7	D	5	1.35	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-22-4	Silver	2.50	UDN5		0.30	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-28-0	Thallium	2.50	UDN5		0.30	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-62-2	Vanadium	259	D	5	0.39	1.25	25.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-66-6	Zinc	726	D	5	6.25	7.50	25.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

A

B

C

D

E

F

G

H



- A
- B
- C
- D
- E**
- F
- G
- H

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q2259
 Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259
 Initial Calibration Source: EPA
 Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV30	Mercury	4.64	5.0	93	90 - 110	CV	06/12/2025	10:16	LB136124
CCV31	Mercury	5.04	5.0	101	90 - 110	CV	06/12/2025	10:50	LB136124
CCV32	Mercury	4.71	5.0	94	90 - 110	CV	06/12/2025	11:17	LB136124
CCV33	Mercury	4.79	5.0	96	90 - 110	CV	06/12/2025	11:38	LB136124
CCV34	Mercury	4.89	5.0	98	90 - 110	CV	06/12/2025	11:58	LB136124

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	193	200	96	90 - 110	P	06/20/2025	11:31	LB136217
	Arsenic	214	200	107	90 - 110	P	06/20/2025	11:31	LB136217
	Barium	99.2	100	99	90 - 110	P	06/20/2025	11:31	LB136217
	Beryllium	105	100	105	90 - 110	P	06/20/2025	11:31	LB136217
	Cadmium	109	100	109	90 - 110	P	06/20/2025	11:31	LB136217
	Chromium	103	100	103	90 - 110	P	06/20/2025	11:31	LB136217
	Copper	100	100	100	90 - 110	P	06/20/2025	11:31	LB136217
	Lead	182	200	91	90 - 110	P	06/20/2025	11:31	LB136217
	Nickel	116	110	105	90 - 110	P	06/20/2025	11:31	LB136217
	Selenium	207	200	103	90 - 110	P	06/20/2025	11:31	LB136217
	Silver	47.5	50.0	95	90 - 110	P	06/20/2025	11:31	LB136217
	Thallium	213	210	102	90 - 110	P	06/20/2025	11:31	LB136217
	Vanadium	97.4	100	97	90 - 110	P	06/20/2025	11:31	LB136217
	Zinc	199	200	99	90 - 110	P	06/20/2025	11:31	LB136217

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q2259
 Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259
 Initial Calibration Source: EPA
 Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Antimony	1.97	2.0	98	80 - 120	P	06/20/2025	11:39	LB136217
	Arsenic	1.12	1.0	112	80 - 120	P	06/20/2025	11:39	LB136217
	Barium	9.39	10.0	94	80 - 120	P	06/20/2025	11:39	LB136217
	Beryllium	1.07	1.0	107	80 - 120	P	06/20/2025	11:39	LB136217
	Cadmium	1.08	1.0	108	80 - 120	P	06/20/2025	11:39	LB136217
	Chromium	1.95	2.0	98	80 - 120	P	06/20/2025	11:39	LB136217
	Copper	1.96	2.0	98	80 - 120	P	06/20/2025	11:39	LB136217
	Lead	0.88	1.0	88	80 - 120	P	06/20/2025	11:39	LB136217
	Nickel	1.04	1.0	104	80 - 120	P	06/20/2025	11:39	LB136217
	Selenium	4.53	5.0	91	80 - 120	P	06/20/2025	11:39	LB136217
	Silver	1.00	1.0	100	80 - 120	P	06/20/2025	11:39	LB136217
	Thallium	0.86	1.0	86	80 - 120	P	06/20/2025	11:39	LB136217
	Vanadium	4.94	5.0	99	80 - 120	P	06/20/2025	11:39	LB136217
	Zinc	5.40	5.0	108	80 - 120	P	06/20/2025	11:39	LB136217

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Antimony	514	500	103	90 - 110	P	06/20/2025	12:08	LB136217
	Arsenic	493	500	99	90 - 110	P	06/20/2025	12:08	LB136217
	Barium	2600	2500	104	90 - 110	P	06/20/2025	12:08	LB136217
	Beryllium	501	500	100	90 - 110	P	06/20/2025	12:08	LB136217
	Cadmium	502	500	100	90 - 110	P	06/20/2025	12:08	LB136217
	Chromium	464	500	93	90 - 110	P	06/20/2025	12:08	LB136217
	Copper	4870	5000	97	90 - 110	P	06/20/2025	12:08	LB136217
	Lead	2510	2500	100	90 - 110	P	06/20/2025	12:08	LB136217
	Nickel	492	500	98	90 - 110	P	06/20/2025	12:08	LB136217
	Selenium	479	500	96	90 - 110	P	06/20/2025	12:08	LB136217
	Silver	534	500	107	90 - 110	P	06/20/2025	12:08	LB136217
	Thallium	510	500	102	90 - 110	P	06/20/2025	12:08	LB136217
	Vanadium	468	500	94	90 - 110	P	06/20/2025	12:08	LB136217
	Zinc	4780	5000	96	90 - 110	P	06/20/2025	12:08	LB136217
CCV02	Antimony	503	500	101	90 - 110	P	06/20/2025	12:46	LB136217
	Arsenic	476	500	95	90 - 110	P	06/20/2025	12:46	LB136217
	Barium	2510	2500	100	90 - 110	P	06/20/2025	12:46	LB136217
	Beryllium	486	500	97	90 - 110	P	06/20/2025	12:46	LB136217
	Cadmium	485	500	97	90 - 110	P	06/20/2025	12:46	LB136217
	Chromium	457	500	91	90 - 110	P	06/20/2025	12:46	LB136217
	Copper	4810	5000	96	90 - 110	P	06/20/2025	12:46	LB136217
	Lead	2460	2500	98	90 - 110	P	06/20/2025	12:46	LB136217
	Nickel	479	500	96	90 - 110	P	06/20/2025	12:46	LB136217
	Selenium	475	500	95	90 - 110	P	06/20/2025	12:46	LB136217
	Silver	514	500	103	90 - 110	P	06/20/2025	12:46	LB136217
	Thallium	499	500	100	90 - 110	P	06/20/2025	12:46	LB136217
	Vanadium	459	500	92	90 - 110	P	06/20/2025	12:46	LB136217
	Zinc	4760	5000	95	90 - 110	P	06/20/2025	12:46	LB136217
CCV03	Antimony	490	500	98	90 - 110	P	06/20/2025	13:23	LB136217
	Arsenic	482	500	96	90 - 110	P	06/20/2025	13:23	LB136217
	Barium	2500	2500	100	90 - 110	P	06/20/2025	13:23	LB136217
	Beryllium	498	500	100	90 - 110	P	06/20/2025	13:23	LB136217
	Cadmium	482	500	96	90 - 110	P	06/20/2025	13:23	LB136217
	Chromium	459	500	92	90 - 110	P	06/20/2025	13:23	LB136217

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:	<u>Nobis Group</u>	SDG No.:	<u>Q2259</u>				
Contract:	<u>NOB103</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2259</u>	SAS No.:	<u>Q2259</u>
Initial Calibration Source:	<u>EPA</u>						
Continuing Calibration Source:	<u>PLASMA-PURE</u>						

Sample ID	Analyte	Result	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		ug/L							
CCV03	Copper	4830	5000	97	90 - 110	P	06/20/2025	13:23	LB136217
	Lead	2490	2500	100	90 - 110	P	06/20/2025	13:23	LB136217
	Nickel	485	500	97	90 - 110	P	06/20/2025	13:23	LB136217
	Selenium	468	500	94	90 - 110	P	06/20/2025	13:23	LB136217
	Silver	512	500	102	90 - 110	P	06/20/2025	13:23	LB136217
	Thallium	510	500	102	90 - 110	P	06/20/2025	13:23	LB136217
	Vanadium	463	500	93	90 - 110	P	06/20/2025	13:23	LB136217
	Zinc	4760	5000	95	90 - 110	P	06/20/2025	13:23	LB136217

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	93	70 - 130	CV	06/12/2025	10:21	LB136124
CRI	Antimony	1.81	2.0	90	70 - 130	P	06/20/2025	12:14	LB136217
	Arsenic	1.03	1.0	103	70 - 130	P	06/20/2025	12:14	LB136217
	Barium	8.57	10.0	86	70 - 130	P	06/20/2025	12:14	LB136217
	Beryllium	0.99	1.0	99	70 - 130	P	06/20/2025	12:14	LB136217
	Cadmium	0.91	1.0	91	70 - 130	P	06/20/2025	12:14	LB136217
	Chromium	1.87	2.0	94	70 - 130	P	06/20/2025	12:14	LB136217
	Copper	1.93	2.0	96	70 - 130	P	06/20/2025	12:14	LB136217
	Lead	0.77	1.0	77	70 - 130	P	06/20/2025	12:14	LB136217
	Nickel	0.99	1.0	99	70 - 130	P	06/20/2025	12:14	LB136217
	Selenium	4.31	5.0	86	70 - 130	P	06/20/2025	12:14	LB136217
	Silver	1.00	1.0	100	70 - 130	P	06/20/2025	12:14	LB136217
	Thallium	0.90	1.0	90	70 - 130	P	06/20/2025	12:14	LB136217
	Vanadium	4.38	5.0	88	70 - 130	P	06/20/2025	12:14	LB136217
	Zinc	5.32	5.0	106	50 - 150	P	06/20/2025	12:14	LB136217



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Nobis Group				SDG No.:	Q2259				
Contract:	NOBI03	Lab Code:	CHEM	Case No.:	Q2259	SAS No.:	Q2259			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB35	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	10:14	LB136124

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB30	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	10:19	LB136124
CCB31	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	10:52	LB136124
CCB32	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	11:20	LB136124
CCB33	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	11:40	LB136124
CCB34	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	12:01	LB136124

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	0.11	+/-1	U	0.25	2.00	P	06/20/2025	11:42	LB136217
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	06/20/2025	11:42	LB136217
	Barium	0.21	+/-5	U	1.25	10.0	P	06/20/2025	11:42	LB136217
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	06/20/2025	11:42	LB136217
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	06/20/2025	11:42	LB136217
	Chromium	0.21	+/-1	U	0.75	2.00	P	06/20/2025	11:42	LB136217
	Copper	0.30	+/-1	U	1.50	2.00	P	06/20/2025	11:42	LB136217
	Lead	0.21	+/-0.5	U	0.75	1.00	P	06/20/2025	11:42	LB136217
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	06/20/2025	11:42	LB136217
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	06/20/2025	11:42	LB136217
	Silver	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	11:42	LB136217
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	11:42	LB136217
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	06/20/2025	11:42	LB136217
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	06/20/2025	11:42	LB136217

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: Q2259								
Contract: NOBI03	Lab Code: CHEM	Case No.: Q2259			SAS No.: Q2259					
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	0.11	+/-1	U	0.25	2.00	P	06/20/2025	12:11	LB136217
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	06/20/2025	12:11	LB136217
	Barium	0.21	+/-5	U	1.25	10.0	P	06/20/2025	12:11	LB136217
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	06/20/2025	12:11	LB136217
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	06/20/2025	12:11	LB136217
	Chromium	0.21	+/-1	U	0.75	2.00	P	06/20/2025	12:11	LB136217
	Copper	0.30	+/-1	U	1.50	2.00	P	06/20/2025	12:11	LB136217
	Lead	0.21	+/-0.5	U	0.75	1.00	P	06/20/2025	12:11	LB136217
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	06/20/2025	12:11	LB136217
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	06/20/2025	12:11	LB136217
	Silver	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	12:11	LB136217
	Thallium	0.060	+/-0.5	J	0.50	1.00	P	06/20/2025	12:11	LB136217
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	06/20/2025	12:11	LB136217
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	06/20/2025	12:11	LB136217
CCB02	Antimony	0.11	+/-1	U	0.25	2.00	P	06/20/2025	12:49	LB136217
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	06/20/2025	12:49	LB136217
	Barium	0.21	+/-5	U	1.25	10.0	P	06/20/2025	12:49	LB136217
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	06/20/2025	12:49	LB136217
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	06/20/2025	12:49	LB136217
	Chromium	0.21	+/-1	U	0.75	2.00	P	06/20/2025	12:49	LB136217
	Copper	0.30	+/-1	U	1.50	2.00	P	06/20/2025	12:49	LB136217
	Lead	0.21	+/-0.5	U	0.75	1.00	P	06/20/2025	12:49	LB136217
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	06/20/2025	12:49	LB136217
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	06/20/2025	12:49	LB136217
	Silver	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	12:49	LB136217
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	12:49	LB136217
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	06/20/2025	12:49	LB136217
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	06/20/2025	12:49	LB136217
CCB03	Antimony	0.11	+/-1	J	0.25	2.00	P	06/20/2025	13:25	LB136217
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	06/20/2025	13:25	LB136217
	Barium	0.21	+/-5	U	1.25	10.0	P	06/20/2025	13:25	LB136217
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	06/20/2025	13:25	LB136217
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	06/20/2025	13:25	LB136217
	Chromium	0.21	+/-1	U	0.75	2.00	P	06/20/2025	13:25	LB136217
	Copper	0.30	+/-1	U	1.50	2.00	P	06/20/2025	13:25	LB136217
	Lead	0.21	+/-0.5	U	0.75	1.00	P	06/20/2025	13:25	LB136217
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	06/20/2025	13:25	LB136217
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	06/20/2025	13:25	LB136217
	Silver	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	13:25	LB136217

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q2259</u>								
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2259</u>	SAS No.: <u>Q2259</u>				
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Thallium	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	13:25	LB136217
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	06/20/2025	13:25	LB136217
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	06/20/2025	13:25	LB136217

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2259

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168424BL		WATER		Batch Number:		PB168424		Prep Date:	06/11/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	06/12/2025	10:28	LB136124
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168424TB		WATER		Batch Number:		PB168424		Prep Date:	06/11/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	06/12/2025	11:42	LB136124

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2259

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168389BL		WATER		Batch Number:		PB168389		Prep Date:	06/10/2025	
	Antimony	0.11	<1	U	0.25	2.00	P	06/20/2025	12:17	LB136217
	Arsenic	0.089	<0.5	U	0.25	1.00	P	06/20/2025	12:17	LB136217
	Barium	0.21	<5	U	1.25	10.0	P	06/20/2025	12:17	LB136217
	Beryllium	0.32	<0.5	U	0.75	1.00	P	06/20/2025	12:17	LB136217
	Cadmium	0.34	<0.5	U	0.50	1.00	P	06/20/2025	12:17	LB136217
	Chromium	0.21	<1	U	0.75	2.00	P	06/20/2025	12:17	LB136217
	Copper	0.30	<1	U	1.50	2.00	P	06/20/2025	12:17	LB136217
	Lead	0.21	<0.5	U	0.75	1.00	P	06/20/2025	12:17	LB136217
	Nickel	0.27	<0.5	U	0.75	1.00	P	06/20/2025	12:17	LB136217
	Selenium	2.90	<2.5	U	4.50	5.00	P	06/20/2025	12:17	LB136217
	Silver	0.060	<0.5	U	0.50	1.00	P	06/20/2025	12:17	LB136217
	Thallium	0.060	<0.5	U	0.50	1.00	P	06/20/2025	12:17	LB136217
	Vanadium	0.077	<2.5	U	0.25	5.00	P	06/20/2025	12:17	LB136217
	Zinc	1.25	<2.5	U	1.50	5.00	P	06/20/2025	12:17	LB136217
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168389TB		WATER		Batch Number:		PB168389		Prep Date:	06/10/2025	
	Antimony	0.11	<1	U	0.25	2.00	P	06/20/2025	12:23	LB136217
	Arsenic	0.089	<0.5	U	0.25	1.00	P	06/20/2025	12:23	LB136217
	Barium	0.21	<5	U	1.25	10.0	P	06/20/2025	12:23	LB136217
	Beryllium	0.32	<0.5	U	0.75	1.00	P	06/20/2025	12:23	LB136217
	Cadmium	0.34	<0.5	U	0.50	1.00	P	06/20/2025	12:23	LB136217
	Chromium	0.21	<1	U	0.75	2.00	P	06/20/2025	12:23	LB136217
	Copper	0.30	<1	U	1.50	2.00	P	06/20/2025	12:23	LB136217
	Lead	0.21	<0.5	U	0.75	1.00	P	06/20/2025	12:23	LB136217
	Nickel	0.27	<0.5	U	0.75	1.00	P	06/20/2025	12:23	LB136217
	Selenium	2.90	<2.5	U	4.50	5.00	P	06/20/2025	12:23	LB136217
	Silver	0.060	<0.5	U	0.50	1.00	P	06/20/2025	12:23	LB136217
	Thallium	0.060	<0.5	U	0.50	1.00	P	06/20/2025	12:23	LB136217
	Vanadium	0.077	<2.5	U	0.25	5.00	P	06/20/2025	12:23	LB136217
	Zinc	1.25	<2.5	U	1.50	5.00	P	06/20/2025	12:23	LB136217

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>		SDG No.: <u>Q2259</u>		
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u>	SAS No.: <u>Q2259</u>	
ICS Source: <u>EPA</u>		Instrument ID: <u>P7</u>		

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Antimony	1.12	1.5	75	-2.5	5.5	06/20/2025	11:46	LB136217
	Arsenic	0.36	0.1	360	-1.9	2.1	06/20/2025	11:46	LB136217
	Barium	1.38	1.2	115	-18.8	21.2	06/20/2025	11:46	LB136217
	Beryllium	0.27			-2	2	06/20/2025	11:46	LB136217
	Cadmium	0.27	0.7	39	-1.3	2.7	06/20/2025	11:46	LB136217
	Chromium	20.3	21.0	97	17	25	06/20/2025	11:46	LB136217
	Copper	9.12	8.0	114	4	12	06/20/2025	11:46	LB136217
	Lead	4.00	4.0	100	2	6	06/20/2025	11:46	LB136217
	Nickel	5.77	6.0	96	4	8	06/20/2025	11:46	LB136217
	Selenium	0.19	0.3	63	-9.7	10	06/20/2025	11:46	LB136217
	Silver	0.11			-2	2	06/20/2025	11:46	LB136217
	Thallium	0.050			-2	2	06/20/2025	11:46	LB136217
ICSAB01	Vanadium	0.17	0.5	34	-9.5	10.5	06/20/2025	11:46	LB136217
	Zinc	11.4	11.0	104	1	21	06/20/2025	11:46	LB136217
	Antimony	19.8	22.0	90	18	26	06/20/2025	12:03	LB136217
	Arsenic	20.7	19.0	109	16.2	21.9	06/20/2025	12:03	LB136217
	Barium	19.7	22.0	90	2	42	06/20/2025	12:03	LB136217
	Beryllium	18.9	19.0	100	16.2	21.9	06/20/2025	12:03	LB136217
	Cadmium	19.7	20.0	98	17	23	06/20/2025	12:03	LB136217
	Chromium	38.8	40.0	97	34	46	06/20/2025	12:03	LB136217
	Copper	27.2	25.0	109	21	29	06/20/2025	12:03	LB136217
	Lead	25.2	25.0	101	21.3	28.8	06/20/2025	12:03	LB136217
	Nickel	26.6	24.0	111	20.4	27.6	06/20/2025	12:03	LB136217
	Selenium	19.3	19.0	102	9	29	06/20/2025	12:03	LB136217
	Silver	19.0	18.0	106	15.3	20.7	06/20/2025	12:03	LB136217
	Thallium	18.1	21.0	86	17.9	24.2	06/20/2025	12:03	LB136217
	Vanadium	19.4	19.0	102	9	29	06/20/2025	12:03	LB136217
	Zinc	30.1	29.0	104	19	39	06/20/2025	12:03	LB136217



METAL QC DATA

A

B

C

D

E

F

G

H

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2259</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>Q2259</u> sas no.: <u>Q2259</u>
matrix: <u>Water</u>	sample id: <u>Q2259-04</u>	client id: <u>OU4-PCS-TC-37-060525MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2259-04MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	450	D	10.0	UD	500	90		P
Arsenic	ug/L	84 - 116	526	D	2.10	JD	500	105		P
Barium	ug/L	86 - 114	2030	D	94.6	D	2500	78	N	P
Beryllium	ug/L	83 - 121	457	D	5.00	UD	500	91		P
Cadmium	ug/L	87 - 115	490	D	5.00	UD	500	98		P
Chromium	ug/L	85 - 116	452	D	7.10	JD	500	89		P
Copper	ug/L	85 - 118	4990	D	95.0	D	5000	98		P
Lead	ug/L	88 - 115	2150	D	5.00	UD	2500	86	N	P
Nickel	ug/L	85 - 117	544	D	61.7	D	500	96		P
Mercury	ug/L	82 - 119	3.41		0.20	U	4.0	85		CV
Selenium	ug/L	80 - 120	441	D	25.0	UD	500	88		P
Silver	ug/L	85 - 116	82.0	D	5.00	UD	500	16	N	P
Thallium	ug/L	82 - 116	404	D	5.00	UD	500	81	N	P
Vanadium	ug/L	86 - 115	705	D	259	D	500	89		P
Zinc	ug/L	83 - 119	5230	D	726	D	5000	90		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2259</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>Q2259</u> sas no.: <u>Q2259</u>
matrix: <u>Water</u>	sample id: <u>Q2259-04</u>	client id: <u>OU4-PCS-TC-37-060525MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2259-04MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	448	D	10.0	UD	500	90		P
Arsenic	ug/L	84 - 116	473	D	2.10	JD	500	94		P
Barium	ug/L	86 - 114	2020	D	94.6	D	2500	77	N	P
Beryllium	ug/L	83 - 121	453	D	5.00	UD	500	90		P
Cadmium	ug/L	87 - 115	486	D	5.00	UD	500	97		P
Chromium	ug/L	85 - 116	447	D	7.10	JD	500	88		P
Copper	ug/L	85 - 118	4940	D	95.0	D	5000	97		P
Lead	ug/L	88 - 115	2150	D	5.00	UD	2500	86	N	P
Nickel	ug/L	85 - 117	548	D	61.7	D	500	97		P
Mercury	ug/L	82 - 119	3.20		0.20	U	4.0	80	N	CV
Selenium	ug/L	80 - 120	446	D	25.0	UD	500	89		P
Silver	ug/L	85 - 116	81.9	D	5.00	UD	500	16	N	P
Thallium	ug/L	82 - 116	406	D	5.00	UD	500	81	N	P
Vanadium	ug/L	86 - 115	699	D	259	D	500	88		P
Zinc	ug/L	83 - 119	5240	D	726	D	5000	90		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Nobis Group</u>	SDG No.: <u>Q2259</u>	
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u> SAS No.: <u>Q2259</u>
Matrix: <u>Water</u>	Level: <u>LOW</u>	Client ID: <u>OU4-PCS-TC-37-060525A</u>
Sample ID: <u>Q2259-04</u>	Spiked ID: <u>Q2259-04A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	86 - 114	2000	D	94.6	D	2500	76	N	P
Lead	ug/L	88 - 115	2150	D	5.00	UD	2500	86	N	P
Mercury	ug/L	82 - 119	3.15		0.20	U	4.00	79	N	CV
Silver	ug/L	85 - 116	493	D	5.00	UD	500	99		P
Thallium	ug/L	82 - 116	402	D	5.00	UD	500	80	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Matrix: Water **Sample ID:** Q2259-04 **Client ID:** OU4-PCS-TC-37-060525DUP
Percent Solids for Sample: NA **Duplicate ID** Q2259-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	10.0	UD	10.0	UD			P
Arsenic	ug/L	20	2.10	JD	1.85	JD	13		P
Barium	ug/L	20	94.6	D	95.5	D	1		P
Beryllium	ug/L	20	5.00	UD	5.00	UD			P
Cadmium	ug/L	20	5.00	UD	5.00	UD			P
Chromium	ug/L	20	7.10	JD	6.10	JD	15		P
Copper	ug/L	20	95.0	D	52.7	D	57	*	P
Lead	ug/L	20	5.00	UD	5.00	UD			P
Nickel	ug/L	20	61.7	D	60.9	D	1		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Selenium	ug/L	20	25.0	UD	25.0	UD			P
Silver	ug/L	20	5.00	UD	5.00	UD			P
Thallium	ug/L	20	5.00	UD	5.00	UD			P
Vanadium	ug/L	20	259	D	259	D	0		P
Zinc	ug/L	20	726	D	727	D	0		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Matrix: Water **Sample ID:** Q2259-04MS **Client ID:** OU4-PCS-TC-37-060525MSD
Percent Solids for Sample: NA **Duplicate ID** Q2259-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	450	D	448	D	0		P
Arsenic	ug/L	20	526	D	473	D	11		P
Barium	ug/L	20	2030	D	2020	D	0		P
Beryllium	ug/L	20	457	D	453	D	1		P
Cadmium	ug/L	20	490	D	486	D	1		P
Chromium	ug/L	20	452	D	447	D	1		P
Copper	ug/L	20	4990	D	4940	D	1		P
Lead	ug/L	20	2150	D	2150	D	0		P
Nickel	ug/L	20	544	D	548	D	1		P
Mercury	ug/L	20	3.41		3.20		6		CV
Selenium	ug/L	20	441	D	446	D	1		P
Silver	ug/L	20	82.0	D	81.9	D	0		P
Thallium	ug/L	20	404	D	406	D	0		P
Vanadium	ug/L	20	705	D	699	D	1		P
Zinc	ug/L	20	5230	D	5240	D	0		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168389BS							
Antimony	ug/L	500	498		100	85 - 117	P
Arsenic	ug/L	500	495		99	84 - 116	P
Barium	ug/L	2500	2490		100	86 - 114	P
Beryllium	ug/L	500	491		98	83 - 121	P
Cadmium	ug/L	500	505		101	87 - 115	P
Chromium	ug/L	500	466		93	85 - 116	P
Copper	ug/L	5000	5010		100	85 - 118	P
Lead	ug/L	2500	2420		97	88 - 115	P
Nickel	ug/L	500	504		101	85 - 117	P
Selenium	ug/L	500	498		100	80 - 120	P
Silver	ug/L	500	509		102	85 - 116	P
Thallium	ug/L	500	488		98	82 - 116	P
Vanadium	ug/L	500	461		92	86 - 115	P
Zinc	ug/L	5000	5120		102	83 - 119	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168424BS Mercury	ug/L	4.0	3.55		89	82 - 119	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Lab Code: CHEM Case no.: Q2259
Instrument ID: P7
Run Number: LB136217

Contract: NOBI03
Sas No.: Q2259 SDG No.: Q2259
Start Date : 06/20/2025
End Date : 06/20/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1030	100		100		100		100		100	
S2	S2	1034	100		100		101		100		99	
S3	S3	1040	102		100		100		100		99	
S4	S4	1044	100		96		97		97		97	
S5	S5	1047	100		94		95		96		99	
S6	S6	1050	103		96		99		97		102	
S7	S7	1053	103		98		101		98		104	
S8	S8	1055	100		100		101		92		100	
ICV01	ICV01	1131	98		105		105		104		102	
LLICV01	LLICV01	1139	97		102		103		101		98	
ICB01	ICB01	1142	97		100		101		100		98	
ICSA01	ICSA01	1146	102		102		103		99		103	
ICSAB01	ICSAB01	1203	97		100		102		99		103	
CCV01	CCV01	1208	95		99		99		92		98	
CCB01	CCB01	1211	96		98		100		100		100	
CRI	CRI	1214	95		99		101		100		100	
PB168389BL	PB168389BL	1217	97		102		102		101		101	
PB168389BS	PB168389BS	1221	98		102		103		101		103	
PB168389TB	PB168389TB	1223	97		99		101		101		100	
Q2259-02	OU4-PCS-TC-	1227	98		103		113		102		104	
Q2259-04	OU4-PCS-TC-	1230	98		103		114		103		105	
Q2259-04DUP	OU4-PCS-TC-	1233	98		102		112		100		104	
Q2259-04L	OU4-PCS-TC-	1236	97		101		105		100		101	
CCV02	CCV02	1246	98		99		99		94		99	
CCB02	CCB02	1249	101		100		102		101		102	
Q2259-04MS	OU4-PCS-TC-	1302	99		101		112		101		103	
Q2259-04MSD	OU4-PCS-TC-	1305	96		98		108		98		100	
Q2259-04A	OU4-PCS-TC-	1319	98		102		114		102		104	
CCV03	CCV03	1323	98		102		103		96		103	
CCB03	CCB03	1325	99		100		102		100		100	

Internal Standard %RI Limit: 30 - 120

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: Q2259

Sas No.: Q2259 SDG No.: Q2259

Instrument ID: P7

Start Date : 06/20/2025

Run Number: LB136217

End Date : 06/20/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1030	100		100		100		100		100	
S2	S2	1034	101		100		101		101		100	
S3	S3	1040	102		101		100		100		100	
S4	S4	1044	99		98		99		99		100	
S5	S5	1047	98		96		96		99		98	
S6	S6	1050	102		100		99		102		102	
S7	S7	1053	102		102		100		104		103	
S8	S8	1055	104		103		94		101		103	
ICV01	ICV01	1131	104		107		105		104		104	
LLICV01	LLICV01	1139	101		102		103		100		100	
ICB01	ICB01	1142	101		103		103		99		100	
ICSA01	ICSA01	1146	103		103		101		103		103	
ICSAB01	ICSAB01	1203	101		103		101		103		102	
CCV01	CCV01	1208	100		100		97		100		100	
CCB01	CCB01	1211	100		102		103		101		100	
CRI	CRI	1214	102		105		104		102		102	
PB168389BL	PB168389BL	1217	101		103		105		101		102	
PB168389BS	PB168389BS	1221	103		104		102		102		102	
PB168389TB	PB168389TB	1223	99		101		103		100		100	
Q2259-02	OU4-PCS-TC-	1227	103		113		104		104		104	
Q2259-04	OU4-PCS-TC-	1230	103		113		103		104		103	
Q2259-04DUP	OU4-PCS-TC-	1233	102		112		104		103		103	
Q2259-04L	OU4-PCS-TC-	1236	101		105		103		102		102	
CCV02	CCV02	1246	101		102		96		100		99	
CCB02	CCB02	1249	101		104		104		102		101	
Q2259-04MS	OU4-PCS-TC-	1302	100		110		102		103		101	
Q2259-04MSD	OU4-PCS-TC-	1305	99		109		100		101		100	
Q2259-04A	OU4-PCS-TC-	1319	101		112		103		103		103	
CCV03	CCV03	1323	103		102		98		102		102	
CCB03	CCB03	1325	101		104		103		103		102	

Internal Standard %RI Limit: 30 - 120

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: Q2259

Sas No.: Q2259 SDG No.: Q2259

Instrument ID: P7

Start Date : 06/20/2025

Run Number: LB136217

End Date : 06/20/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1030	100		100							
S2	S2	1034	99		100							
S3	S3	1040	100		101							
S4	S4	1044	98		100							
S5	S5	1047	99		100							
S6	S6	1050	102		105							
S7	S7	1053	104		104							
S8	S8	1055	102		94							
ICV01	ICV01	1131	103		101							
LLICV01	LLICV01	1139	100		99							
ICB01	ICB01	1142	97		97							
ICSA01	ICSA01	1146	106		102							
ICSAB01	ICSAB01	1203	103		99							
CCV01	CCV01	1208	101		95							
CCB01	CCB01	1211	101		101							
CRI	CRI	1214	100		100							
PB168389BL	PB168389BL	1217	102		102							
PB168389BS	PB168389BS	1221	104		102							
PB168389TB	PB168389TB	1223	102		102							
Q2259-02	OU4-PCS-TC-3	1227	105		102							
Q2259-04	OU4-PCS-TC-3	1230	106		102							
Q2259-04DUP	OU4-PCS-TC-3	1233	104		102							
Q2259-04L	OU4-PCS-TC-3	1236	102		100							
CCV02	CCV02	1246	103		97							
CCB02	CCB02	1249	103		102							
Q2259-04MS	OU4-PCS-TC-3	1302	106		103							
Q2259-04MSD	OU4-PCS-TC-3	1305	101		99							
Q2259-04A	OU4-PCS-TC-3	1319	104		103							
CCV03	CCV03	1323	103		96							
CCB03	CCB03	1325	102		104							

Internal Standard %RI Limit: 30 -120

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group
Lab Code: CHEM Case no.: Q2259
Instrument ID: P7
Run Number: LB136217

Contract: NOBI03
Sas No.: Q2259 SDG No.: Q2259
Start Date : 06/20/2025
End Date : 06/20/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1030	100									
S2	S2	1034	100									
S3	S3	1040	99									
S4	S4	1044	98									
S5	S5	1047	98									
S6	S6	1050	100									
S7	S7	1053	100									
S8	S8	1055	91									
ICV01	ICV01	1131	104									
LLICV01	LLICV01	1139	101									
ICB01	ICB01	1142	101									
ICSA01	ICSA01	1146	100									
ICSAB01	ICSAB01	1203	98									
CCV01	CCV01	1208	92									
CCB01	CCB01	1211	100									
CRI	CRI	1214	102									
PB168389BL	PB168389BL	1217	100									
PB168389BS	PB168389BS	1221	100									
PB168389TB	PB168389TB	1223	100									
Q2259-02	OU4-PCS-TC-3	1227	101									
Q2259-04	OU4-PCS-TC-3	1230	101									
Q2259-04DUP	OU4-PCS-TC-3	1233	100									
Q2259-04L	OU4-PCS-TC-3	1236	101									
CCV02	CCV02	1246	92									
CCB02	CCB02	1249	102									
Q2259-04MS	OU4-PCS-TC-3	1302	99									
Q2259-04MSD	OU4-PCS-TC-3	1305	98									
Q2259-04A	OU4-PCS-TC-3	1319	100									
CCV03	CCV03	1323	94									
CCB03	CCB03	1325	102									

Internal Standard %RI Limit: 30 -120

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-PCS-TC-37-060525L

Lab Name: Chemtech Consulting Group

Contract: NOBI03

Lab Code: CHEM Lb No.: lb136217

Lab Sample ID : Q2259-04L

SDG No.: Q2259

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Antimony	10.0	UD	50.0	UD			P
Arsenic	2.10	JD	2.25	JD	7		P
Barium	94.6	D	98.5	JD	4		P
Beryllium	5.00	UD	25.0	UD			P
Cadmium	5.00	UD	25.0	UD			P
Chromium	7.10	JD	6.75	JD	5		P
Copper	95.0	D	77.0	D	19		P
Lead	5.00	UD	25.0	UD			P
Nickel	61.7	D	64.5	D	5		P
Mercury	0.20	U	1.00	U			CV
Selenium	25.0	UD	125	UD			P
Silver	5.00	UD	25.0	UD			P
Thallium	5.00	UD	25.0	UD			P
Vanadium	259	D	270	D	4		P
Zinc	726	D	770	D	6		P



METAL PREPARATION & INSTRUMENT DATA



METAL PREPARATION & ANALYICAL SUMMARY

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Nobis Group</u>	SDG No.:	<u>Q2259</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2259</u>
		SAS No.:	<u>Q2259</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168389							
PB168389BL	PB168389BL	MB	WATER	06/10/2025	50.0	50.0	
PB168389BS	PB168389BS	LCS	WATER	06/10/2025	50.0	50.0	
PB168389TB	PB168389TB	MB	WATER	06/10/2025	50.0	50.0	
Q2259-02	OU4-PCS-TC-36-060525	SAM	WATER	06/10/2025	50.0	50.0	
Q2259-04	OU4-PCS-TC-37-060525	SAM	WATER	06/10/2025	50.0	50.0	
Q2259-04DUP	OU4-PCS-TC-37-060525DUP	DUP	WATER	06/10/2025	50.0	50.0	
Q2259-04MS	OU4-PCS-TC-37-060525MS	MS	WATER	06/10/2025	50.0	50.0	
Q2259-04MSD	OU4-PCS-TC-37-060525MSD	MSD	WATER	06/10/2025	50.0	50.0	

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Nobis Group</u>	SDG No.:	<u>Q2259</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2259</u>
		SAS No.:	<u>Q2259</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168424							
PB168424BL	PB168424BL	MB	WATER	06/11/2025	30.0	30.0	
PB168424BS	PB168424BS	LCS	WATER	06/11/2025	30.0	30.0	
PB168424TB	PB168424TB	MB	WATER	06/11/2025	30.0	30.0	
Q2259-02	OU4-PCS-TC-36-060525	SAM	WATER	06/11/2025	30.0	30.0	
Q2259-04	OU4-PCS-TC-37-060525	SAM	WATER	06/11/2025	30.0	30.0	
Q2259-04DUP	OU4-PCS-TC-37-060525DUP	DUP	WATER	06/11/2025	30.0	30.0	
Q2259-04MS	OU4-PCS-TC-37-060525MS	MS	WATER	06/11/2025	30.0	30.0	
Q2259-04MSD	OU4-PCS-TC-37-060525MSD	MSD	WATER	06/11/2025	30.0	30.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q2259 **Sas no.:** Q2259 **Sdg no.:** Q2259

Instrument id number: **Method:** **Run number:** LB136124

Start date: 06/12/2025 **End date:** 06/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0952	HG
S0.2	S0.2	1	0955	HG
S2.5	S2.5	1	0957	HG
S5	S5	1	0959	HG
S7.5	S7.5	1	1001	HG
S10	S10	1	1004	HG
ICV35	ICV35	1	1012	HG
ICB35	ICB35	1	1014	HG
CCV30	CCV30	1	1016	HG
CCB30	CCB30	1	1019	HG
CRA	CRA	1	1021	HG
PB168424BL	PB168424BL	1	1028	HG
PB168424BS	PB168424BS	1	1030	HG
Q2259-02	OU4-PCS-TC-36-060525	1	1032	HG
Q2259-04	OU4-PCS-TC-37-060525	1	1035	HG
Q2259-04DUP	OU4-PCS-TC-37-060525DUP	1	1037	HG
Q2259-04MS	OU4-PCS-TC-37-060525MS	1	1039	HG
Q2259-04MSD	OU4-PCS-TC-37-060525MSD	1	1042	HG
CCV31	CCV31	1	1050	HG
CCB31	CCB31	1	1052	HG
CCV32	CCV32	1	1117	HG
CCB32	CCB32	1	1120	HG
CCV33	CCV33	1	1138	HG
CCB33	CCB33	1	1140	HG
PB168424TB	PB168424TB	1	1142	HG
Q2259-04L	OU4-PCS-TC-37-060525L	5	1149	HG
Q2259-04A	OU4-PCS-TC-37-060525A	1	1152	HG
CCV34	CCV34	1	1158	HG
CCB34	CCB34	1	1201	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q2259 **Sas no.:** Q2259 **Sdg no.:** Q2259

Instrument id number: **Method:** **Run number:** LB136217

Start date: 06/20/2025 **End date:** 06/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1030	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1034	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1040	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1044	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1047	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1050	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1053	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1055	,
ICV01	ICV01	1	1131	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1139	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1142	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1146	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1203	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1208	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1211	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1214	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168389BL	PB168389BL	1	1217	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168389BS	PB168389BS	1	1221	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168389TB	PB168389TB	1	1223	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-02	OU4-PCS-TC-36-060525	5	1227	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04	OU4-PCS-TC-37-060525	5	1230	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04DUP	OU4-PCS-TC-37-060525DUP	5	1233	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04L	OU4-PCS-TC-37-060525L	25	1236	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1246	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1249	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04MS	OU4-PCS-TC-37-060525MS	5	1302	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04MSD	OU4-PCS-TC-37-060525MSD	5	1305	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04A	OU4-PCS-TC-37-060525A	5	1319	Ag,Ba,Pb,Tl
CCV03	CCV03	1	1323	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1325	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn



SHIPPING DOCUMENTS

O = Other (please define)

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2259	NOBI03	Order Date : 6/6/2025 10:57:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 6/6/2025 10:04:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2259-01	OU4-PCS-TC-36-060525	Solid	06/05/2025	11:25					
					VOCMS Group3		8260D	10 Bus. Days	
Q2259-03	OU4-PCS-TC-37-060525	Solid	06/05/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

[Signature]
6/6/25 11:36

Received By :

Date / Time :

[Signature]
06/06/25 11:36

Storage Area : VOA Refridgerator Room

[Signature]
06/06/25
[Signature]