

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q1382

ATTENTION : Adam Roy



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1382

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q1382-01
Q1382-02
Q1382-03
Q1382-04
Q1382-05
Q1382-06
Q1382-07
Q1382-08
Q1382-09
Q1382-10
Q1382-11
Q1382-12
Q1382-13
Q1382-14
Q1382-15
Q1382-16
Q1382-17
Q1382-18
Q1382-19
Q1382-20

Client Sample Number

OU4-PCS-TC-01-021725
OU4-PCS-TC-01-021725
OU4-PCS-TC-02-021725
OU4-PCS-TC-02-021725
OU4-PCS-TC-03-021725
OU4-PCS-TC-03-021725
OU4-PCS-TC-04-021725
OU4-PCS-TC-04-021725
OU4-PCS-TC-05-021725
OU4-PCS-TC-05-021725
OU4-PCS-TC-06-021725
OU4-PCS-TC-06-021725
OU4-PCS-TC-07-021725
OU4-PCS-TC-07-021725
OU4-PCS-TC-08-021725
OU4-PCS-TC-08-021725
OU4-PCS-TC-09-021725
OU4-PCS-TC-09-021725
OU4-PCS-TC-10-021725
OU4-PCS-TC-10-021725

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 3/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:
Alliance Technical Group LLC

Client: Nobis Group

Project Location: Stratford, CT

Project Number: 95700

Sampling Date(s): 02/17/25

Laboratory Sample ID(s): Q1382

List RCP Methods Used

(9012B, 8151A, 7471B, 6010D, 8082A, 8081B, 8270E, 8260D, 7470A, 1312, 6020B)

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☒ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☒ Yes ☐ No
1B	<u>VPH and EPH Methods only:</u> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	☐ Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (<6° C°)?	☒ Yes ☐ No
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☒ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	☒ Yes ☐ No ☒ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☒ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☒ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____ **Position:** QC SUPERVISOR

Printed Name: NIMISHA N. PANDYA **Date:** _____

Name of Laboratory: CHEMTECH

This certification form is to be used for RCP methods only.

CTDEP RCP Laboratory Analysis QA/QC Certification Form – November 2007

Laboratory Quality Assurance and Quality Control Guidance Reasonable Confidence Protocol

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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. #138 68. 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.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike for {VY0219SBS01} with File ID: VY021238.D met requirements for all samples except for Chloroethane[146%], Chloromethane[150%] and Vinyl chloride[145%] are failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank Spike for {VY0221SBS01} with File ID: VY021277.D met requirements for all samples except for Chloroethane[140%], Chloromethane[148%] and Vinyl chloride[141%] are failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VY021236.D met the requirements except for trans-1,4-Dichloro-2-butene is failing high but no positive hit in associate samples therefore no corrective action taken.

The Continuous Calibration File ID VY021275.D met the requirements except for Chloroethane is failing high but no positive hit in associate samples therefore no corrective action taken.

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.

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.

The SDG Q1382 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

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.

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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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 df The 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.

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 File ID BF141671.D met the requirements except for Benzo(g,h,i)perylene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

As per special requirement for this project form-1 and Hit Summary 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.

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 <15% 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 > 15% 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.

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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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 Pesticide-TCL.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-05-021725 [Decachlorobiphenyl(2) - 132%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

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 .

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.



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F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: PCB

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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 PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for

OU4-PCS-TC-02-021725 [Tetrachloro-m-xylene(1) - 134%, Tetrachloro-m-xylene(2) - 135%], OU4-PCS-TC-02-021725RE [Tetrachloro-m-xylene(1) - 136%, Tetrachloro-m-xylene(2) - 135%],

OU4-PCS-TC-03-021725 [Tetrachloro-m-xylene(1) - 133%, Tetrachloro-m-xylene(2) - 131%], OU4-PCS-TC-03-021725RE [Tetrachloro-m-xylene(1) - 137%, Tetrachloro-m-xylene(2) - 137%],

OU4-PCS-TC-04-021725 [Tetrachloro-m-xylene(1) - 139%, Tetrachloro-m-xylene(2) - 139%], OU4-PCS-TC-04-021725RE [Tetrachloro-m-xylene(1) - 142%, Tetrachloro-m-xylene(2) - 139%],

OU4-PCS-TC-06-021725 [Tetrachloro-m-xylene(1) - 135%, Tetrachloro-m-xylene(2) - 138%], OU4-PCS-TC-06-021725RE [Tetrachloro-m-xylene(1) - 144%, Tetrachloro-m-xylene(2) - 140%],

OU4-PCS-TC-10-021725 [Tetrachloro-m-xylene(1) - 136%, Tetrachloro-m-xylene(2) - 135%], OU4-PCS-TC-10-021725RE [Tetrachloro-m-xylene(1) - 140% and Tetrachloro-m-xylene(2) - 135%] All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data,

OU4-PCS-TC-07-021725 [Tetrachloro-m-xylene(1) - 134%], AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.

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 .

E. Additional Comments:

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.

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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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 μ m df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 μ m 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 {Q1372-01MS} with File ID: PS029211.D recoveries met the requirements for all compounds except for 2,4,5-T[15%], 2,4,5-TP(Silvex)[13%], 2,4-DB[16%], Dalapon[65%], DICAMBA[27%], DICHLORPROP[16%] and Dinoseb[0%] due to matrix interference.

The MSD {Q1372-01MSD} with File ID: PS029212.D recoveries met the acceptable requirements except for 2,4,5-T[15%], 2,4,5-TP(Silvex)[14%], 2,4-DB[18%], Dalapon[57%], DICAMBA[26%], DICHLORPROP[20%] and Dinoseb[0%], due to matrix interference.

The RPD for {Q1372-01MSD} with File ID: PS029212.D met criteria except for DICHLORPROP[22%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all samples.

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



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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.

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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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 Metals ICP-TAL,Mercury.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (OR-03-021823025MS) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Potassium, Selenium, Silver, Vanadium, Zinc due to matrix interference.

The Matrix Spike Duplicate (OR-03-021823025MSD) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Lead, Selenium, Silver, Vanadium, Zinc due to matrix interference.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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

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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: SPLP MetalGroup3,SPLP Mercury

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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 MetalGroup3,SPLP Mercury.

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 analysis met criteria for all samples.

The Matrix Spike (OU4-PCS-TC-10-021725MS) analysis met criteria for all samples except for Arsenic and Silver due to matrix interference.

The Matrix Spike Duplicate(OU4-PCS-TC-10-021725MSD) analysis met criteria for all samples except for Arsenic and Silver due to matrix interference.

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:

All samples are diluted 5X dilution as straight analysis because of high and pure acid concentration of two acids which can cause drastic damage to the instrument.

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.



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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: Cyanide

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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 Cyanide.

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

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

The Calibration met the requirements.

E. Additional Comments:

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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 #: Q1382

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: 03/04/2025

Hit Summary Sheet
SW-846

SDG No.: Q1382
Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: Q1382-09	OU4-PCS-TC-05-021725 OU4-PCS-TC-05-0% SOIL	Acetone		0.037		0.0058	0.019	0.023	mg/Kg
		Total Voc :		0.037					
		Total Concentration:		0.037					
Client ID: Q1382-11	OU4-PCS-TC-06-021725 OU4-PCS-TC-06-0% SOIL	Acetone		0.044		0.0057	0.018	0.023	mg/Kg
		Total Voc :		0.044					
		Total Concentration:		0.044					
Client ID: Q1382-13	OU4-PCS-TC-07-021725 OU4-PCS-TC-07-0% SOIL	Acetone		0.068		0.0056	0.018	0.023	mg/Kg
		Total Voc :		0.068					
		Total Concentration:		0.068					
Client ID: Q1382-15	OU4-PCS-TC-08-021725 OU4-PCS-TC-08-0% SOIL	Acetone		0.047		0.0058	0.019	0.023	mg/Kg
		Total Voc :		0.047					
		Total Concentration:		0.047					
Client ID: Q1382-17	OU4-PCS-TC-09-021725 OU4-PCS-TC-09-0% SOIL	Acetone		0.049		0.0058	0.019	0.023	mg/Kg
		Total Voc :		0.049					
		Total Concentration:		0.049					
Client ID: Q1382-19	OU4-PCS-TC-10-021725 OU4-PCS-TC-10-0% SOIL	Acetone		0.025		0.0056	0.018	0.023	mg/Kg
		Total Voc :		0.025					
		Total Concentration:		0.025					



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.9
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021242.D	1		02/19/25 17:22	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0039	U	0.0016	0.0039	0.0049	mg/Kg
74-87-3	Chloromethane	0.0025	UQ	0.0011	0.0025	0.0049	mg/Kg
75-01-4	Vinyl Chloride	0.0025	UQ	0.00076	0.0025	0.0049	mg/Kg
74-83-9	Bromomethane	0.0039	U	0.0010	0.0039	0.0049	mg/Kg
75-00-3	Chloroethane	0.0025	UQ	0.0010	0.0025	0.0049	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0052	0.012	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0039	U	0.00090	0.0039	0.0049	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0049	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00077	0.0025	0.0049	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0049	0.012	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0039	U	0.0013	0.0039	0.0049	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
75-09-2	Methylene Chloride	0.0079	U	0.0034	0.0079	0.0099	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00083	0.0025	0.0049	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00062	0.0025	0.0049	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0056	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00086	0.0025	0.0049	mg/Kg
594-20-7	2,2-Dichloropropane	0.0039	U	0.0016	0.0039	0.0049	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00060	0.0025	0.0049	mg/Kg
67-66-3	Chloroform	0.0039	U	0.00066	0.0039	0.0049	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00077	0.0025	0.0049	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00072	0.0025	0.0049	mg/Kg
71-43-2	Benzene	0.0025	U	0.00071	0.0025	0.0049	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00060	0.0025	0.0049	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00074	0.0025	0.0049	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00065	0.0025	0.0049	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00061	0.0025	0.0049	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00055	0.0025	0.0049	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0043	0.012	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.9
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021242.D	1		02/19/25 17:22	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00059	0.0025	0.0049	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00056	0.0025	0.0049	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00083	0.0025	0.0049	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00058	0.0025	0.0049	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0047	0.012	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00064	0.0025	0.0049	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00078	0.0025	0.0049	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.00088	0.0025	0.0049	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00073	0.0025	0.0049	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00063	0.0025	0.0049	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00061	0.0025	0.0049	mg/Kg
179601-23-1	m/p-Xylenes	0.0049	U	0.0013	0.0049	0.0099	mg/Kg
1330-20-7	Total Xylenes	0.0074	U	0.0020	0.0074	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00069	0.0025	0.0049	mg/Kg
100-42-5	Styrene	0.0025	U	0.00059	0.0025	0.0049	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00080	0.0025	0.0049	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0011	0.0025	0.0049	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.00064	0.0025	0.0049	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00063	0.0025	0.0049	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00061	0.0025	0.0049	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00063	0.0025	0.0049	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.00058	0.0025	0.0049	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.0014	0.0025	0.0049	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00057	0.0025	0.0049	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.00073	0.0025	0.0049	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.00079	0.0025	0.0049	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.9
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021242.D	1		02/19/25 17:22	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.00062	0.0025	0.0049	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.00058	0.0025	0.0049	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0039	U	0.0015	0.0039	0.0049	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	0.00078	0.0025	0.0049	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.00080	0.0025	0.0049	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	0.00077	0.0025	0.0049	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.00079	0.0025	0.0049	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		71 - 136		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.5		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		79 - 119		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	215000	7.72				
540-36-3	1,4-Difluorobenzene	410000	8.622				
3114-55-4	Chlorobenzene-d5	372000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.353				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.7
Sample Wt/Vol:	5.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021243.D	1		02/19/25 17:45	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0039	U	0.0016	0.0039	0.0049	mg/Kg
74-87-3	Chloromethane	0.0024	UQ	0.0011	0.0024	0.0049	mg/Kg
75-01-4	Vinyl Chloride	0.0024	UQ	0.00075	0.0024	0.0049	mg/Kg
74-83-9	Bromomethane	0.0039	U	0.0010	0.0039	0.0049	mg/Kg
75-00-3	Chloroethane	0.0024	UQ	0.00099	0.0024	0.0049	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0051	0.012	0.024	mg/Kg
75-69-4	Trichlorofluoromethane	0.0039	U	0.00089	0.0039	0.0049	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0024	U	0.0010	0.0024	0.0049	mg/Kg
75-35-4	1,1-Dichloroethene	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0049	0.012	0.024	mg/Kg
67-64-1	Acetone	0.020	U	0.0061	0.020	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
75-09-2	Methylene Chloride	0.0078	U	0.0033	0.0078	0.0098	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0024	U	0.00082	0.0024	0.0049	mg/Kg
75-34-3	1,1-Dichloroethane	0.0024	U	0.00061	0.0024	0.0049	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0055	0.020	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0024	U	0.00085	0.0024	0.0049	mg/Kg
594-20-7	2,2-Dichloropropane	0.0039	U	0.0016	0.0039	0.0049	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
67-66-3	Chloroform	0.0039	U	0.00065	0.0039	0.0049	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
563-58-6	1,1-Dichloropropene	0.0024	U	0.00071	0.0024	0.0049	mg/Kg
71-43-2	Benzene	0.0024	U	0.00070	0.0024	0.0049	mg/Kg
107-06-2	1,2-Dichloroethane	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
79-01-6	Trichloroethene	0.0024	U	0.00073	0.0024	0.0049	mg/Kg
78-87-5	1,2-Dichloropropane	0.0024	U	0.00064	0.0024	0.0049	mg/Kg
74-95-3	Dibromomethane	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
75-27-4	Bromodichloromethane	0.0024	U	0.00055	0.0024	0.0049	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0042	0.012	0.024	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.7
Sample Wt/Vol:	5.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021243.D	1		02/19/25 17:45	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0024	U	0.00059	0.0024	0.0049	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	0.00056	0.0024	0.0049	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0024	U	0.00082	0.0024	0.0049	mg/Kg
142-28-9	1,3-Dichloropropane	0.0024	U	0.00058	0.0024	0.0049	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0047	0.012	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.0024	U	0.00063	0.0024	0.0049	mg/Kg
106-93-4	1,2-Dibromoethane	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
127-18-4	Tetrachloroethene	0.0024	U	0.00087	0.0024	0.0049	mg/Kg
108-90-7	Chlorobenzene	0.0024	U	0.00072	0.0024	0.0049	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0024	U	0.00062	0.0024	0.0049	mg/Kg
100-41-4	Ethyl Benzene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
179601-23-1	m/p-Xylenes	0.0049	U	0.0013	0.0049	0.0098	mg/Kg
1330-20-7	Total Xylenes	0.0073	U	0.0020	0.0073	0.015	mg/Kg
95-47-6	o-Xylene	0.0024	U	0.00068	0.0024	0.0049	mg/Kg
100-42-5	Styrene	0.0024	U	0.00059	0.0024	0.0049	mg/Kg
75-25-2	Bromoform	0.0024	U	0.00079	0.0024	0.0049	mg/Kg
98-82-8	Isopropylbenzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	0.0011	0.0024	0.0049	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0039	U	0.0011	0.0039	0.0049	mg/Kg
108-86-1	Bromobenzene	0.0024	U	0.00063	0.0024	0.0049	mg/Kg
103-65-1	n-propylbenzene	0.0024	U	0.00062	0.0024	0.0049	mg/Kg
95-49-8	2-Chlorotoluene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0024	U	0.00062	0.0024	0.0049	mg/Kg
106-43-4	4-Chlorotoluene	0.0024	U	0.00058	0.0024	0.0049	mg/Kg
98-06-6	tert-Butylbenzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0024	U	0.0013	0.0024	0.0049	mg/Kg
135-98-8	sec-Butylbenzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
99-87-6	p-Isopropyltoluene	0.0024	U	0.00057	0.0024	0.0049	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0024	U	0.00072	0.0024	0.0049	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0024	U	0.00078	0.0024	0.0049	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.7
Sample Wt/Vol:	5.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021243.D	1		02/19/25 17:45	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0024	U	0.00061	0.0024	0.0049	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0024	U	0.00058	0.0024	0.0049	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0039	U	0.0015	0.0039	0.0049	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
87-68-3	Hexachlorobutadiene	0.0024	U	0.00079	0.0024	0.0049	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0024	U	0.00078	0.0024	0.0049	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.5		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	210000	7.719				
540-36-3	1,4-Difluorobenzene	406000	8.622				
3114-55-4	Chlorobenzene-d5	372000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.352				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021244.D	1		02/19/25 18:09	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	UQ	0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	UQ	0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	UQ	0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0052	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0043	0.013	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021244.D	1		02/19/25 18:09	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0013	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021244.D	1		02/19/25 18:09	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.1		71 - 136		122%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.8		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	207000	7.713				
540-36-3	1,4-Difluorobenzene	398000	8.622				
3114-55-4	Chlorobenzene-d5	367000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	147000	13.353				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021290.D	1		02/21/25 16:57	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0039	U	0.0016	0.0039	0.0049	mg/Kg
74-87-3	Chloromethane	0.0024	UQ	0.0011	0.0024	0.0049	mg/Kg
75-01-4	Vinyl Chloride	0.0024	UQ	0.00075	0.0024	0.0049	mg/Kg
74-83-9	Bromomethane	0.0039	U	0.0010	0.0039	0.0049	mg/Kg
75-00-3	Chloroethane	0.0024	UQ	0.00098	0.0024	0.0049	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0051	0.012	0.024	mg/Kg
75-69-4	Trichlorofluoromethane	0.0039	U	0.00088	0.0039	0.0049	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0024	U	0.0010	0.0024	0.0049	mg/Kg
75-35-4	1,1-Dichloroethene	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0049	0.012	0.024	mg/Kg
67-64-1	Acetone	0.019	U	0.0061	0.019	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
75-09-2	Methylene Chloride	0.0078	U	0.0033	0.0078	0.0097	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0024	U	0.00082	0.0024	0.0049	mg/Kg
75-34-3	1,1-Dichloroethane	0.0024	U	0.00061	0.0024	0.0049	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0055	0.019	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0024	U	0.00084	0.0024	0.0049	mg/Kg
594-20-7	2,2-Dichloropropane	0.0039	U	0.0015	0.0039	0.0049	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0024	U	0.00059	0.0024	0.0049	mg/Kg
67-66-3	Chloroform	0.0039	U	0.00065	0.0039	0.0049	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
563-58-6	1,1-Dichloropropene	0.0024	U	0.00071	0.0024	0.0049	mg/Kg
71-43-2	Benzene	0.0024	U	0.00070	0.0024	0.0049	mg/Kg
107-06-2	1,2-Dichloroethane	0.0024	U	0.00059	0.0024	0.0049	mg/Kg
79-01-6	Trichloroethene	0.0024	U	0.00073	0.0024	0.0049	mg/Kg
78-87-5	1,2-Dichloropropane	0.0024	U	0.00064	0.0024	0.0049	mg/Kg
74-95-3	Dibromomethane	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
75-27-4	Bromodichloromethane	0.0024	U	0.00054	0.0024	0.0049	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0042	0.012	0.024	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021290.D	1		02/21/25 16:57	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0024	U	0.00058	0.0024	0.0049	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	0.00055	0.0024	0.0049	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0024	U	0.00082	0.0024	0.0049	mg/Kg
142-28-9	1,3-Dichloropropane	0.0024	U	0.00057	0.0024	0.0049	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0046	0.012	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.0024	U	0.00063	0.0024	0.0049	mg/Kg
106-93-4	1,2-Dibromoethane	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
127-18-4	Tetrachloroethene	0.0024	U	0.00086	0.0024	0.0049	mg/Kg
108-90-7	Chlorobenzene	0.0024	U	0.00072	0.0024	0.0049	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0024	U	0.00062	0.0024	0.0049	mg/Kg
100-41-4	Ethyl Benzene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
179601-23-1	m/p-Xylenes	0.0049	U	0.0013	0.0049	0.0097	mg/Kg
1330-20-7	Total Xylenes	0.0073	U	0.0020	0.0073	0.015	mg/Kg
95-47-6	o-Xylene	0.0024	U	0.00068	0.0024	0.0049	mg/Kg
100-42-5	Styrene	0.0024	U	0.00058	0.0024	0.0049	mg/Kg
75-25-2	Bromoform	0.0024	U	0.00079	0.0024	0.0049	mg/Kg
98-82-8	Isopropylbenzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	0.0011	0.0024	0.0049	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0039	U	0.0011	0.0039	0.0049	mg/Kg
108-86-1	Bromobenzene	0.0024	U	0.00063	0.0024	0.0049	mg/Kg
103-65-1	n-propylbenzene	0.0024	U	0.00062	0.0024	0.0049	mg/Kg
95-49-8	2-Chlorotoluene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0024	U	0.00062	0.0024	0.0049	mg/Kg
106-43-4	4-Chlorotoluene	0.0024	U	0.00057	0.0024	0.0049	mg/Kg
98-06-6	tert-Butylbenzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0024	U	0.0013	0.0024	0.0049	mg/Kg
135-98-8	sec-Butylbenzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
99-87-6	p-Isopropyltoluene	0.0024	U	0.00056	0.0024	0.0049	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0024	U	0.00072	0.0024	0.0049	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0024	U	0.00078	0.0024	0.0049	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021290.D	1		02/21/25 16:57	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0024	U	0.00061	0.0024	0.0049	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0024	U	0.00057	0.0024	0.0049	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0039	U	0.0015	0.0039	0.0049	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
87-68-3	Hexachlorobutadiene	0.0024	U	0.00079	0.0024	0.0049	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0024	U	0.00078	0.0024	0.0049	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	63.6		71 - 136		127%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.3		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	7.713				
540-36-3	1,4-Difluorobenzene	324000	8.622				
3114-55-4	Chlorobenzene-d5	308000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.353				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92
Sample Wt/Vol:	5.88 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021291.D	1		02/21/25 17:21	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	UQ	0.0011	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	UQ	0.00071	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.00095	0.0037	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	UQ	0.00093	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0048	0.012	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.00084	0.0037	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00099	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0046	0.012	0.023	mg/Kg
67-64-1	Acetone	0.037		0.0058	0.019	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.0012	0.0037	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0074	U	0.0032	0.0074	0.0092	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0052	0.019	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00080	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00062	0.0037	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00069	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00052	0.0023	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0040	0.012	0.023	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92
Sample Wt/Vol:	5.88 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021291.D	1		02/21/25 17:21	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00053	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0044	0.012	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00082	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0012	0.0046	0.0092	mg/Kg
1330-20-7	Total Xylenes	0.0069	U	0.0019	0.0069	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00065	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0010	0.0023	0.0046	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0037	U	0.0011	0.0037	0.0046	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92
Sample Wt/Vol:	5.88 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021291.D	1		02/21/25 17:21	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0037	U	0.0014	0.0037	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.5		71 - 136		123%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.2		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	7.713				
540-36-3	1,4-Difluorobenzene	319000	8.621				
3114-55-4	Chlorobenzene-d5	307000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.352				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.2
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021292.D	1		02/21/25 17:44	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0036	U	0.0015	0.0036	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	UQ	0.0011	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	UQ	0.00070	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0036	U	0.00094	0.0036	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	UQ	0.00092	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0048	0.011	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0036	U	0.00083	0.0036	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00098	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0046	0.011	0.023	mg/Kg
67-64-1	Acetone	0.044		0.0057	0.018	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0036	U	0.0012	0.0036	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0073	U	0.0031	0.0073	0.0091	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00077	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.018	U	0.0052	0.018	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00079	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0036	U	0.0014	0.0036	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0036	U	0.00061	0.0036	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00066	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00051	0.0023	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0040	0.011	0.023	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.2
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021292.D	1		02/21/25 17:44	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00052	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00077	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0044	0.011	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00081	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
1330-20-7	Total Xylenes	0.0069	U	0.0018	0.0069	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00064	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0010	0.0023	0.0046	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0036	U	0.0011	0.0036	0.0046	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.0012	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00053	0.0023	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.2
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021292.D	1		02/21/25 17:44	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0036	U	0.0014	0.0036	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.9		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.0		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	7.713				
540-36-3	1,4-Difluorobenzene	326000	8.622				
3114-55-4	Chlorobenzene-d5	311000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.353				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.2
Sample Wt/Vol:	6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021293.D	1		02/21/25 18:08	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0036	U	0.0015	0.0036	0.0045	mg/Kg
74-87-3	Chloromethane	0.0023	UQ	0.0010	0.0023	0.0045	mg/Kg
75-01-4	Vinyl Chloride	0.0023	UQ	0.00070	0.0023	0.0045	mg/Kg
74-83-9	Bromomethane	0.0036	U	0.00093	0.0036	0.0045	mg/Kg
75-00-3	Chloroethane	0.0023	UQ	0.00091	0.0023	0.0045	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0047	0.011	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0036	U	0.00082	0.0036	0.0045	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00097	0.0023	0.0045	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00070	0.0023	0.0045	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0045	0.011	0.023	mg/Kg
67-64-1	Acetone	0.068		0.0056	0.018	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0036	U	0.0012	0.0036	0.0045	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00061	0.0023	0.0045	mg/Kg
75-09-2	Methylene Chloride	0.0072	U	0.0031	0.0072	0.0090	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00076	0.0023	0.0045	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00057	0.0023	0.0045	mg/Kg
78-93-3	2-Butanone	0.018	U	0.0051	0.018	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00079	0.0023	0.0045	mg/Kg
594-20-7	2,2-Dichloropropane	0.0036	U	0.0014	0.0036	0.0045	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00055	0.0023	0.0045	mg/Kg
67-66-3	Chloroform	0.0036	U	0.00061	0.0036	0.0045	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00070	0.0023	0.0045	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00066	0.0023	0.0045	mg/Kg
71-43-2	Benzene	0.0023	U	0.00065	0.0023	0.0045	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00055	0.0023	0.0045	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00068	0.0023	0.0045	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00060	0.0023	0.0045	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00056	0.0023	0.0045	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00051	0.0023	0.0045	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0039	0.011	0.023	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.2
Sample Wt/Vol:	6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021293.D	1		02/21/25 18:08	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00061	0.0023	0.0045	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00054	0.0023	0.0045	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00052	0.0023	0.0045	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00076	0.0023	0.0045	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00053	0.0023	0.0045	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0043	0.011	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00059	0.0023	0.0045	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00071	0.0023	0.0045	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00080	0.0023	0.0045	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00067	0.0023	0.0045	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00058	0.0023	0.0045	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00056	0.0023	0.0045	mg/Kg
179601-23-1	m/p-Xylenes	0.0045	U	0.0012	0.0045	0.0090	mg/Kg
1330-20-7	Total Xylenes	0.0068	U	0.0018	0.0068	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00063	0.0023	0.0045	mg/Kg
100-42-5	Styrene	0.0023	U	0.00054	0.0023	0.0045	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00073	0.0023	0.0045	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00061	0.0023	0.0045	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.00099	0.0023	0.0045	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0036	U	0.0011	0.0036	0.0045	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.00059	0.0023	0.0045	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00058	0.0023	0.0045	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00056	0.0023	0.0045	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00058	0.0023	0.0045	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.00053	0.0023	0.0045	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00061	0.0023	0.0045	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.0012	0.0023	0.0045	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00061	0.0023	0.0045	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00052	0.0023	0.0045	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.00067	0.0023	0.0045	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.00072	0.0023	0.0045	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.2
Sample Wt/Vol:	6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021293.D	1		02/21/25 18:08	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.00057	0.0023	0.0045	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.00053	0.0023	0.0045	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0036	U	0.0014	0.0036	0.0045	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	0.00071	0.0023	0.0045	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.00073	0.0023	0.0045	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	0.00070	0.0023	0.0045	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00072	0.0023	0.0045	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.8		71 - 136		126%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.9		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	7.713				
540-36-3	1,4-Difluorobenzene	324000	8.622				
3114-55-4	Chlorobenzene-d5	310000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.353				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	5.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021294.D	1		02/21/25 18:31	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	UQ	0.0011	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	UQ	0.00071	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.00095	0.0037	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	UQ	0.00094	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0049	0.012	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.00084	0.0037	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00099	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0046	0.012	0.023	mg/Kg
67-64-1	Acetone	0.047		0.0058	0.019	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.0012	0.0037	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0074	U	0.0032	0.0074	0.0093	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0053	0.019	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00081	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00062	0.0037	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00069	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00052	0.0023	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0040	0.012	0.023	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	5.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021294.D	1		02/21/25 18:31	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00053	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0044	0.012	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00082	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00069	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0013	0.0046	0.0093	mg/Kg
1330-20-7	Total Xylenes	0.0069	U	0.0020	0.0069	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00065	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0010	0.0023	0.0046	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0037	U	0.0011	0.0037	0.0046	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.00069	0.0023	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	5.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021294.D	1		02/21/25 18:31	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0037	U	0.0014	0.0037	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.1		71 - 136		112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	50.6		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		79 - 119		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	162000	7.713				
540-36-3	1,4-Difluorobenzene	319000	8.622				
3114-55-4	Chlorobenzene-d5	297000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.353				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021295.D	1		02/21/25 18:54	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0015	0.0037	0.0047	mg/Kg
74-87-3	Chloromethane	0.0023	UQ	0.0011	0.0023	0.0047	mg/Kg
75-01-4	Vinyl Chloride	0.0023	UQ	0.00072	0.0023	0.0047	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.00096	0.0037	0.0047	mg/Kg
75-00-3	Chloroethane	0.0023	UQ	0.00095	0.0023	0.0047	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0049	0.012	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.00085	0.0037	0.0047	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.0010	0.0023	0.0047	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0047	0.012	0.023	mg/Kg
67-64-1	Acetone	0.049		0.0058	0.019	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.0012	0.0037	0.0047	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
75-09-2	Methylene Chloride	0.0075	U	0.0032	0.0075	0.0094	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00079	0.0023	0.0047	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00059	0.0023	0.0047	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0053	0.019	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00081	0.0023	0.0047	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0015	0.0037	0.0047	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00057	0.0023	0.0047	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00063	0.0037	0.0047	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00068	0.0023	0.0047	mg/Kg
71-43-2	Benzene	0.0023	U	0.00067	0.0023	0.0047	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00057	0.0023	0.0047	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00070	0.0023	0.0047	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00062	0.0023	0.0047	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00058	0.0023	0.0047	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00052	0.0023	0.0047	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0041	0.012	0.023	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021295.D	1		02/21/25 18:54	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00056	0.0023	0.0047	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00053	0.0023	0.0047	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00079	0.0023	0.0047	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00055	0.0023	0.0047	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0045	0.012	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00061	0.0023	0.0047	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00074	0.0023	0.0047	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00083	0.0023	0.0047	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00069	0.0023	0.0047	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00060	0.0023	0.0047	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00058	0.0023	0.0047	mg/Kg
179601-23-1	m/p-Xylenes	0.0047	U	0.0013	0.0047	0.0094	mg/Kg
1330-20-7	Total Xylenes	0.0070	U	0.0020	0.0070	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00066	0.0023	0.0047	mg/Kg
100-42-5	Styrene	0.0023	U	0.00056	0.0023	0.0047	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00076	0.0023	0.0047	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0010	0.0023	0.0047	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0037	U	0.0011	0.0037	0.0047	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.00061	0.0023	0.0047	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00060	0.0023	0.0047	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00058	0.0023	0.0047	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00060	0.0023	0.0047	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.00055	0.0023	0.0047	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.0013	0.0023	0.0047	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00054	0.0023	0.0047	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.00069	0.0023	0.0047	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.00075	0.0023	0.0047	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.6
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021295.D	1		02/21/25 18:54	VY022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.00059	0.0023	0.0047	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.00055	0.0023	0.0047	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0037	U	0.0015	0.0037	0.0047	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	0.00074	0.0023	0.0047	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.00076	0.0023	0.0047	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00075	0.0023	0.0047	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.6		71 - 136		123%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.2		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	7.713				
540-36-3	1,4-Difluorobenzene	325000	8.622				
3114-55-4	Chlorobenzene-d5	311000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.353				

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021331.D	1		02/26/25 15:04	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0036	U	0.0015	0.0036	0.0045	mg/Kg
74-87-3	Chloromethane	0.0022	U	0.0010	0.0022	0.0045	mg/Kg
75-01-4	Vinyl Chloride	0.0022	U	0.00069	0.0022	0.0045	mg/Kg
74-83-9	Bromomethane	0.0036	U	0.00093	0.0036	0.0045	mg/Kg
75-00-3	Chloroethane	0.0022	U	0.00091	0.0022	0.0045	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0047	0.011	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0036	U	0.00082	0.0036	0.0045	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0022	U	0.00096	0.0022	0.0045	mg/Kg
75-35-4	1,1-Dichloroethene	0.0022	U	0.00070	0.0022	0.0045	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0045	0.011	0.023	mg/Kg
67-64-1	Acetone	0.025		0.0056	0.018	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0036	U	0.0012	0.0036	0.0045	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
75-09-2	Methylene Chloride	0.0072	U	0.0031	0.0072	0.0090	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0022	U	0.00076	0.0022	0.0045	mg/Kg
75-34-3	1,1-Dichloroethane	0.0022	U	0.00057	0.0022	0.0045	mg/Kg
78-93-3	2-Butanone	0.018	U	0.0051	0.018	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0022	U	0.00078	0.0022	0.0045	mg/Kg
594-20-7	2,2-Dichloropropane	0.0036	U	0.0014	0.0036	0.0045	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0022	U	0.00055	0.0022	0.0045	mg/Kg
67-66-3	Chloroform	0.0036	U	0.00060	0.0036	0.0045	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0022	U	0.00070	0.0022	0.0045	mg/Kg
563-58-6	1,1-Dichloropropene	0.0022	U	0.00066	0.0022	0.0045	mg/Kg
71-43-2	Benzene	0.0022	U	0.00065	0.0022	0.0045	mg/Kg
107-06-2	1,2-Dichloroethane	0.0022	U	0.00055	0.0022	0.0045	mg/Kg
79-01-6	Trichloroethene	0.0022	U	0.00067	0.0022	0.0045	mg/Kg
78-87-5	1,2-Dichloropropane	0.0022	U	0.00059	0.0022	0.0045	mg/Kg
74-95-3	Dibromomethane	0.0022	U	0.00056	0.0022	0.0045	mg/Kg
75-27-4	Bromodichloromethane	0.0022	U	0.00050	0.0022	0.0045	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0039	0.011	0.023	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021331.D	1		02/26/25 15:04	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0022	U	0.00054	0.0022	0.0045	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	0.00051	0.0022	0.0045	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0022	U	0.00076	0.0022	0.0045	mg/Kg
142-28-9	1,3-Dichloropropane	0.0022	U	0.00053	0.0022	0.0045	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0043	0.011	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
106-93-4	1,2-Dibromoethane	0.0022	U	0.00071	0.0022	0.0045	mg/Kg
127-18-4	Tetrachloroethene	0.0022	U	0.00080	0.0022	0.0045	mg/Kg
108-90-7	Chlorobenzene	0.0022	U	0.00067	0.0022	0.0045	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
100-41-4	Ethyl Benzene	0.0022	U	0.00056	0.0022	0.0045	mg/Kg
179601-23-1	m/p-Xylenes	0.0045	U	0.0012	0.0045	0.0090	mg/Kg
1330-20-7	Total Xylenes	0.0067	U	0.0018	0.0067	0.014	mg/Kg
95-47-6	o-Xylene	0.0022	U	0.00063	0.0022	0.0045	mg/Kg
100-42-5	Styrene	0.0022	U	0.00054	0.0022	0.0045	mg/Kg
75-25-2	Bromoform	0.0022	U	0.00073	0.0022	0.0045	mg/Kg
98-82-8	Isopropylbenzene	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	0.00099	0.0022	0.0045	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0036	U	0.0011	0.0036	0.0045	mg/Kg
108-86-1	Bromobenzene	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
103-65-1	n-propylbenzene	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
95-49-8	2-Chlorotoluene	0.0022	U	0.00056	0.0022	0.0045	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
106-43-4	4-Chlorotoluene	0.0022	U	0.00053	0.0022	0.0045	mg/Kg
98-06-6	tert-Butylbenzene	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0022	U	0.0012	0.0022	0.0045	mg/Kg
135-98-8	sec-Butylbenzene	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
99-87-6	p-Isopropyltoluene	0.0022	U	0.00052	0.0022	0.0045	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0022	U	0.00067	0.0022	0.0045	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0022	U	0.00072	0.0022	0.0045	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021331.D	1		02/26/25 15:04	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0022	U	0.00057	0.0022	0.0045	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0022	U	0.00053	0.0022	0.0045	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0036	U	0.0014	0.0036	0.0045	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	0.00071	0.0022	0.0045	mg/Kg
87-68-3	Hexachlorobutadiene	0.0022	U	0.00073	0.0022	0.0045	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	0.00070	0.0022	0.0045	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0022	U	0.00072	0.0022	0.0045	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		71 - 136		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.4		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	238000	7.707				
540-36-3	1,4-Difluorobenzene	473000	8.615				
3114-55-4	Chlorobenzene-d5	472000	11.413				
3855-82-1	1,4-Dichlorobenzene-d4	208000	13.346				

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

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/19/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/19/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/19/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/21/25	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/21/25	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/21/25	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/21/25	
Q1382-15	OU4-PCS-TC-08-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/21/25	
Q1382-17	OU4-PCS-TC-09-0217 25	SOIL			02/17/25			02/18/25
			VOCMS Group3	8260D			02/21/25	

LAB CHRONICLE

Q1382-19	OU4-PCS-TC-10-0217 25	SOIL		02/17/25	02/18/25
			VOCMS Group3	8260D	02/26/25



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

Hit Summary Sheet
SW-846

SDG No.: Q1382
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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.9
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
BF141674.D	1	02/19/25 09:00	02/19/25 14:46	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.092	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.7		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.3		44 - 115		68%	SPK: 100
1718-51-0	Terphenyl-d14	70.4		54 - 127		70%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93400	6.781				
1146-65-2	Naphthalene-d8	372000	8.063				
15067-26-2	Acenaphthene-d10	198000	9.81				
1517-22-2	Phenanthrene-d10	342000	11.298				
1719-03-5	Chrysene-d12	228000	13.933				
1520-96-3	Perylene-d12	169000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.9
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
BF141674.D	1	02/19/25 09:00	02/19/25 14:46	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
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
BF141675.D	1	02/19/25 09:00	02/19/25 15:16	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.090	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.090	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.092	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.092	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.088	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.14	U	0.087	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.2		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.2		44 - 115		63%	SPK: 100
1718-51-0	Terphenyl-d14	73.2		54 - 127		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91900	6.781				
1146-65-2	Naphthalene-d8	370000	8.063				
15067-26-2	Acenaphthene-d10	198000	9.816				
1517-22-2	Phenanthrene-d10	341000	11.298				
1719-03-5	Chrysene-d12	211000	13.939				
1520-96-3	Perylene-d12	159000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
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
BF141675.D	1	02/19/25 09:00	02/19/25 15:16	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.08 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
BF141676.D	1	02/19/25 09:00	02/19/25 15:45	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.093	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	61.0		37 - 122		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.6		44 - 115		66%	SPK: 100
1718-51-0	Terphenyl-d14	77.8		54 - 127		78%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85300	6.781				
1146-65-2	Naphthalene-d8	338000	8.063				
15067-26-2	Acenaphthene-d10	180000	9.816				
1517-22-2	Phenanthrene-d10	300000	11.298				
1719-03-5	Chrysene-d12	162000	13.939				
1520-96-3	Perylene-d12	151000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.08 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
BF141676.D	1	02/19/25 09:00	02/19/25 15:45	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozone	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
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
BF141679.D	1	02/19/25 09:00	02/19/25 17:14	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	61.2		37 - 122		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.2		44 - 115		63%	SPK: 100
1718-51-0	Terphenyl-d14	74.5		54 - 127		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85200	6.781				
1146-65-2	Naphthalene-d8	342000	8.063				
15067-26-2	Acenaphthene-d10	183000	9.81				
1517-22-2	Phenanthrene-d10	309000	11.298				
1719-03-5	Chrysene-d12	175000	13.933				
1520-96-3	Perylene-d12	157000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
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
BF141679.D	1	02/19/25 09:00	02/19/25 17:14	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.06 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
BF141680.D	1	02/19/25 09:00	02/19/25 17:43	PB166772

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

91-20-3	Naphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.092	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	73.6		37 - 122	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.0		44 - 115	76%	SPK: 100
1718-51-0	Terphenyl-d14	94.1		54 - 127	94%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	85100	6.781
1146-65-2	Naphthalene-d8	341000	8.063
15067-26-2	Acenaphthene-d10	184000	9.81
1517-22-2	Phenanthrene-d10	303000	11.298
1719-03-5	Chrysene-d12	161000	13.933
1520-96-3	Perylene-d12	152000	15.38

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.06 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
BF141680.D	1	02/19/25 09:00	02/19/25 17:43	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.2
Sample Wt/Vol:	30.07 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
BF141681.D	1	02/19/25 09:00	02/19/25 18:12	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	43.6		37 - 122		44%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.5		44 - 115		45%	SPK: 100
1718-51-0	Terphenyl-d14	56.3		54 - 127		56%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89200	6.781				
1146-65-2	Naphthalene-d8	364000	8.063				
15067-26-2	Acenaphthene-d10	195000	9.81				
1517-22-2	Phenanthrene-d10	327000	11.298				
1719-03-5	Chrysene-d12	180000	13.939				
1520-96-3	Perylene-d12	164000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.2
Sample Wt/Vol:	30.07 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
BF141681.D	1	02/19/25 09:00	02/19/25 18:12	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozone	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.2
Sample Wt/Vol:	30.04 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
BF141682.D	1	02/19/25 09:00	02/19/25 18:42	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	62.5		37 - 122		62%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.9		44 - 115		67%	SPK: 100
1718-51-0	Terphenyl-d14	81.1		54 - 127		81%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89000	6.781				
1146-65-2	Naphthalene-d8	353000	8.063				
15067-26-2	Acenaphthene-d10	191000	9.81				
1517-22-2	Phenanthrene-d10	321000	11.298				
1719-03-5	Chrysene-d12	173000	13.933				
1520-96-3	Perylene-d12	160000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.2
Sample Wt/Vol:	30.04 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
BF141682.D	1	02/19/25 09:00	02/19/25 18:42	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozone	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.6
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
BF141683.D	1	02/19/25 09:00	02/19/25 19:11	PB166772

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

91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.093	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	51.3		37 - 122	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.8		44 - 115	54%	SPK: 100
1718-51-0	Terphenyl-d14	65.5		54 - 127	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	87200	6.781
1146-65-2	Naphthalene-d8	347000	8.063
15067-26-2	Acenaphthene-d10	187000	9.81
1517-22-2	Phenanthrene-d10	318000	11.298
1719-03-5	Chrysene-d12	173000	13.933
1520-96-3	Perylene-d12	161000	15.38

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.6
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
BF141683.D	1	02/19/25 09:00	02/19/25 19:11	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozone	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.6
Sample Wt/Vol:	30.08 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
BF141684.D	1	02/19/25 09:00	02/19/25 19:41	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.093	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.087	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.089	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.087	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.086	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	51.7		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.2		44 - 115		55%	SPK: 100
1718-51-0	Terphenyl-d14	68.1		54 - 127		68%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89400	6.781				
1146-65-2	Naphthalene-d8	356000	8.063				
15067-26-2	Acenaphthene-d10	191000	9.81				
1517-22-2	Phenanthrene-d10	322000	11.298				
1719-03-5	Chrysene-d12	174000	13.939				
1520-96-3	Perylene-d12	165000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.6
Sample Wt/Vol:	30.08 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
BF141684.D	1	02/19/25 09:00	02/19/25 19:41	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
BF141685.D	1	02/19/25 09:00	02/19/25 20:10	PB166772

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

91-20-3	Naphthalene	0.14	U	0.088	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.088	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.093	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.087	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.090	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.090	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.087	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.089	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.086	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.085	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.087	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.100	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.086	0.14	0.18	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	54.2		37 - 122	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.4		44 - 115	59%	SPK: 100
1718-51-0	Terphenyl-d14	69.8		54 - 127	70%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	87900	6.781
1146-65-2	Naphthalene-d8	351000	8.063
15067-26-2	Acenaphthene-d10	186000	9.81
1517-22-2	Phenanthrene-d10	314000	11.298
1719-03-5	Chrysene-d12	168000	13.933
1520-96-3	Perylene-d12	168000	15.38

TENTATIVE IDENTIFIED COMPOUNDS

Q1382

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
BF141685.D	1	02/19/25 09:00	02/19/25 20:10	PB166772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozone	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

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1382-15	OU4-PCS-TC-08-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1382-17	OU4-PCS-TC-09-0217 25	SOIL			02/17/25			02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25	

LAB CHRONICLE

Q1382-19	OU4-PCS-TC-10-0217 25	SOIL			02/17/25		02/18/25
			SVOCMS Group3	8270E		02/19/25	02/19/25



Hit Summary Sheet
SW-846

A

B

C

D

SDG No.:		Q1382			Order ID:		Q1382			
Client:		Nobis Group			Project ID:		Raymark Superfund Site			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units	
Client ID :										
Total Concentration:				0.000						



SAMPLE DATA

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-01-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.9	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094264.D	1	02/19/25 08:10	02/19/25 16:12	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.3		55 - 130		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		42 - 129		117%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-01-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.9	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094264.D	1	02/19/25 08:10	02/19/25 16:12	PB166771

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

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-02-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-03		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094267.D	1	02/19/25 08:10	02/19/25 16:52	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		55 - 130		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		42 - 129		121%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-02-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-03		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094267.D	1	02/19/25 08:10	02/19/25 16:52	PB166771

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

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-03-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-05		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094268.D	1	02/19/25 08:10	02/19/25 17:06	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		55 - 130		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		42 - 129		123%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-03-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-05		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094268.D	1	02/19/25 08:10	02/19/25 17:06	PB166771

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

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094269.D	1	02/19/25 08:10	02/19/25 17:19	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.2		55 - 130		121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.9		42 - 129		125%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-04-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-07		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.5	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094269.D	1	02/19/25 08:10	02/19/25 17:19	PB166771

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

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-05-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-09		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094274.D	1	02/19/25 08:10	02/19/25 18:27	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	26.3	*	55 - 130		132%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.4		42 - 129		127%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-05-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-09		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094274.D	1	02/19/25 08:10	02/19/25 18:27	PB166771

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

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

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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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-06-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-11		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.2	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094275.D	1	02/19/25 08:10	02/19/25 18:41	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.4		55 - 130		122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.7		42 - 129		124%	SPK: 20

Report of Analysis

Client:	Nobis Group			Date Collected:	02/17/25	
Project:	Raymark Superfund Site			Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-06-021725			SDG No.:	Q1382	
Lab Sample ID:	Q1382-11			Matrix:	SOIL	
Analytical Method:	SW8081			% Solid:	92.2	Decanted:
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094275.D	1	02/19/25 08:10	02/19/25 18:41	PB166771

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

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094276.D	1	02/19/25 08:10	02/19/25 18:54	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.9		55 - 130		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1		42 - 129		126%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-07-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-13		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.2	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094276.D	1	02/19/25 08:10	02/19/25 18:54	PB166771

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

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094277.D	1	02/19/25 08:10	02/19/25 19:08	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00089	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00020	0.00089	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00089	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00089	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00089	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00089	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00089	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00089	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00020	0.00089	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00089	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00089	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00089	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00020	0.00089	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.8		55 - 130		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		42 - 129		117%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-08-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-15		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.6	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094277.D	1	02/19/25 08:10	02/19/25 19:08	PB166771

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

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Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094278.D	1	02/19/25 08:10	02/19/25 19:21	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.9		55 - 130		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		42 - 129		111%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-09-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-17		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.6	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094278.D	1	02/19/25 08:10	02/19/25 19:21	PB166771

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

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094279.D	1	02/19/25 08:10	02/19/25 19:35	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00089	U	0.00019	0.00089	0.0018	mg/Kg
319-85-7	beta-BHC	0.00089	U	0.00052	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.00089	U	0.00050	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
76-44-8	Heptachlor	0.00089	U	0.00018	0.00089	0.0018	mg/Kg
309-00-2	Aldrin	0.00089	U	0.00015	0.00089	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00089	U	0.00025	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00089	U	0.00018	0.00089	0.0018	mg/Kg
60-57-1	Dieldrin	0.00089	U	0.00016	0.00089	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00089	U	0.00014	0.00089	0.0018	mg/Kg
72-20-8	Endrin	0.00089	U	0.00017	0.00089	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00089	U	0.00032	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00089	U	0.00014	0.00089	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00089	U	0.00018	0.00089	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00089	U	0.00041	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00089	U	0.00024	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00089	U	0.00042	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00089	U	0.00018	0.00089	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.0		55 - 130		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.7		42 - 129		123%	SPK: 20

Report of Analysis

Client:	Nobis Group			Date Collected:	02/17/25	
Project:	Raymark Superfund Site			Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-10-021725			SDG No.:	Q1382	
Lab Sample ID:	Q1382-19			Matrix:	SOIL	
Analytical Method:	SW8081			% Solid:	93.4	Decanted:
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094279.D	1	02/19/25 08:10	02/19/25 19:35	PB166771

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

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

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03RE	OU4-PCS-TC-02-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-05RE	OU4-PCS-TC-03-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-07RE	OU4-PCS-TC-04-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25			02/18/25

LAB CHRONICLE

			PCB	8082A	02/19/25	02/21/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-11RE	OU4-PCS-TC-06-0217 25RE	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/20/25	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-15	OU4-PCS-TC-08-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-17	OU4-PCS-TC-09-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-19	OU4-PCS-TC-10-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-19RE	OU4-PCS-TC-10-0217 25RE	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/20/25	

Hit Summary Sheet SW-846

SDG No.: Q1382

Order ID: Q1382

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-01-021725									
Q1382-01	OU4-PCS-TC-01-0217	SOIL	Aroclor-1254	10.9	J	3.00	14.1	18.5	ug/kg
Total Concentration:				10.900					
Client ID : OU4-PCS-TC-03-021725									
Q1382-05	OU4-PCS-TC-03-0217	SOIL	Aroclor-1254	13.4	J	2.90	14.0	18.3	ug/kg
Total Concentration:				13.400					
Client ID : OU4-PCS-TC-03-021725RE									
Q1382-05RE	OU4-PCS-TC-03-0217	SOIL	Aroclor-1254	11.6	J	2.90	14.0	18.3	ug/kg
Total Concentration:				11.600					
Client ID : OU4-PCS-TC-06-021725									
Q1382-11	OU4-PCS-TC-06-0217	SOIL	Aroclor-1254	21.5		3.00	14.1	18.4	ug/kg
Total Concentration:				21.500					
Client ID : OU4-PCS-TC-06-021725RE									
Q1382-11RE	OU4-PCS-TC-06-0217	SOIL	Aroclor-1254	18.2	J	3.00	14.1	18.4	ug/kg
Total Concentration:				18.200					
Client ID : OU4-PCS-TC-07-021725									
Q1382-13	OU4-PCS-TC-07-0217	SOIL	Aroclor-1254	43.2		3.00	14.1	18.4	ug/kg
Total Concentration:				43.200					



SAMPLE DATA

Report of Analysis

Client:	Nobis Group			Date Collected:	02/17/25	
Project:	Raymark Superfund Site			Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-01-021725			SDG No.:	Q1382	
Lab Sample ID:	Q1382-01			Matrix:	SOIL	
Analytical Method:	SW8082A			% Solid:	91.9	Decanted:
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069839.D	1	02/19/25 08:10	02/19/25 13:32	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	10.9	J	3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.6		44 - 130		128%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		60 - 125		96%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-02-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-03		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069847.D	1	02/19/25 08:10	02/19/25 16:47	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	14.1	U	3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.0	*	44 - 130		135%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.2		60 - 125		116%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site			Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-02-021725RE			SDG No.:	Q1382	
Lab Sample ID:	Q1382-03RE			Matrix:	SOIL	
Analytical Method:	SW8082A			% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.1	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069928.D	1	02/19/25 08:10	02/20/25 20:02	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	14.1	U	3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.2	*	44 - 130		136%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 125		118%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-03-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-05		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	92.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069848.D	1	02/19/25 08:10	02/19/25 17:03	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.3	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.3	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.3	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.3	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.3	ug/kg
11097-69-1	Aroclor-1254	13.4	J	2.90	14.0	18.3	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.3	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.3	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	26.6	*	44 - 130		133%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125		117%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-03-021725RE		SDG No.:	Q1382	
Lab Sample ID:	Q1382-05RE		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	92.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069929.D	1	02/19/25 08:10	02/20/25 20:18	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.3	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.3	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.3	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.3	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.3	ug/kg
11097-69-1	Aroclor-1254	11.6	J	2.90	14.0	18.3	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.3	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.3	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.5	*	44 - 130		137%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		60 - 125		117%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-04-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-07		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	92.5	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069849.D	1	02/19/25 08:10	02/19/25 17:19	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.4	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.4	ug/kg
11097-69-1	Aroclor-1254	14.0	U	2.90	14.0	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.9	*	44 - 130		139%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125		117%	SPK: 20

Comments:

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725RE	SDG No.:	Q1382
Lab Sample ID:	Q1382-07RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069930.D	1	02/19/25 08:10	02/20/25 20:34	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.4	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.4	ug/kg
11097-69-1	Aroclor-1254	14.0	U	2.90	14.0	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	28.4	*	44 - 130		142%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.0		60 - 125		120%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-05-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-09		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	92	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069945.D	1	02/19/25 08:10	02/21/25 00:59	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.5	ug/kg
11104-28-2	Aroclor-1221	14.1	U	7.00	14.1	18.5	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.5	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.5	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.60	14.1	18.5	ug/kg
11097-69-1	Aroclor-1254	14.1	U	3.00	14.1	18.5	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.5	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.5	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.8		44 - 130		129%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125		117%	SPK: 20

Comments:

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069851.D	1	02/19/25 08:10	02/19/25 17:52	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.1	U	6.90	14.1	18.4	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.50	14.1	18.4	ug/kg
11097-69-1	Aroclor-1254	21.5		3.00	14.1	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.5	*	44 - 130		138%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		60 - 125		115%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725RE	SDG No.:	Q1382
Lab Sample ID:	Q1382-11RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069931.D	1	02/19/25 08:10	02/20/25 20:50	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.1	U	6.90	14.1	18.4	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.50	14.1	18.4	ug/kg
11097-69-1	Aroclor-1254	18.2	J	3.00	14.1	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	28.8	*	44 - 130		144%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		60 - 125		119%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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:	02/17/25	
Project:	Raymark Superfund Site			Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-07-021725			SDG No.:	Q1382	
Lab Sample ID:	Q1382-13			Matrix:	SOIL	
Analytical Method:	SW8082A			% Solid:	92.2	Decanted:
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069852.D	1	02/19/25 08:10	02/19/25 18:08	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.4	ug/kg
11104-28-2	Aroclor-1221	14.1	U	6.90	14.1	18.4	ug/kg
11141-16-5	Aroclor-1232	14.1	U	3.70	14.1	18.4	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.4	ug/kg
12672-29-6	Aroclor-1248	14.1	U	8.50	14.1	18.4	ug/kg
11097-69-1	Aroclor-1254	43.2		3.00	14.1	18.4	ug/kg
37324-23-5	Aroclor-1262	9.00	U	5.00	9.00	18.4	ug/kg
11100-14-4	Aroclor-1268	14.1	U	3.70	14.1	18.4	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.20	9.00	18.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	26.8	*	44 - 130		134%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125		117%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-08-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-15		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	92.6	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069853.D	1	02/19/25 08:10	02/19/25 18:24	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.90	U	3.70	8.90	18.3	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.3	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.3	ug/kg
53469-21-9	Aroclor-1242	8.90	U	3.70	8.90	18.3	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.3	ug/kg
11097-69-1	Aroclor-1254	14.0	U	2.90	14.0	18.3	ug/kg
37324-23-5	Aroclor-1262	8.90	U	4.90	8.90	18.3	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.3	ug/kg
11096-82-5	Aroclor-1260	8.90	U	3.10	8.90	18.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.3		44 - 130		126%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		60 - 125		99%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-09-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-17		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	92.6	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069854.D	1	02/19/25 08:10	02/19/25 18:40	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.00	U	3.70	9.00	18.3	ug/kg
11104-28-2	Aroclor-1221	14.0	U	6.90	14.0	18.3	ug/kg
11141-16-5	Aroclor-1232	14.0	U	3.70	14.0	18.3	ug/kg
53469-21-9	Aroclor-1242	9.00	U	3.70	9.00	18.3	ug/kg
12672-29-6	Aroclor-1248	14.0	U	8.50	14.0	18.3	ug/kg
11097-69-1	Aroclor-1254	14.0	U	2.90	14.0	18.3	ug/kg
37324-23-5	Aroclor-1262	9.00	U	4.90	9.00	18.3	ug/kg
11100-14-4	Aroclor-1268	14.0	U	3.70	14.0	18.3	ug/kg
11096-82-5	Aroclor-1260	9.00	U	3.10	9.00	18.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.4		44 - 130		122%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 125		102%	SPK: 20

Comments:

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069855.D	1	02/19/25 08:10	02/19/25 18:57	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.90	U	3.60	8.90	18.2	ug/kg
11104-28-2	Aroclor-1221	13.9	U	6.80	13.9	18.2	ug/kg
11141-16-5	Aroclor-1232	13.9	U	3.60	13.9	18.2	ug/kg
53469-21-9	Aroclor-1242	8.90	U	3.60	8.90	18.2	ug/kg
12672-29-6	Aroclor-1248	13.9	U	8.40	13.9	18.2	ug/kg
11097-69-1	Aroclor-1254	13.9	U	2.90	13.9	18.2	ug/kg
37324-23-5	Aroclor-1262	8.90	U	4.90	8.90	18.2	ug/kg
11100-14-4	Aroclor-1268	13.9	U	3.70	13.9	18.2	ug/kg
11096-82-5	Aroclor-1260	8.90	U	3.10	8.90	18.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.1	*	44 - 130		136%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.7		60 - 125		118%	SPK: 20

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site			Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-10-021725RE			SDG No.:	Q1382	
Lab Sample ID:	Q1382-19RE			Matrix:	SOIL	
Analytical Method:	SW8082A			% Solid:	93.4	Decanted:
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069937.D	1	02/19/25 08:10	02/20/25 22:49	PB166770

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.90	U	3.60	8.90	18.2	ug/kg
11104-28-2	Aroclor-1221	13.9	U	6.80	13.9	18.2	ug/kg
11141-16-5	Aroclor-1232	13.9	U	3.60	13.9	18.2	ug/kg
53469-21-9	Aroclor-1242	8.90	U	3.60	8.90	18.2	ug/kg
12672-29-6	Aroclor-1248	13.9	U	8.40	13.9	18.2	ug/kg
11097-69-1	Aroclor-1254	13.9	U	2.90	13.9	18.2	ug/kg
37324-23-5	Aroclor-1262	8.90	U	4.90	8.90	18.2	ug/kg
11100-14-4	Aroclor-1268	13.9	U	3.70	13.9	18.2	ug/kg
11096-82-5	Aroclor-1260	8.90	U	3.10	8.90	18.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.9	*	44 - 130		140%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.8		60 - 125		124%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

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B = Analyte Found in Associated Method Blank

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LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03RE	OU4-PCS-TC-02-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-05RE	OU4-PCS-TC-03-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-07RE	OU4-PCS-TC-04-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25			02/18/25

LAB CHRONICLE

			PCB	8082A	02/19/25	02/21/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-11RE	OU4-PCS-TC-06-0217 25RE	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/20/25	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-15	OU4-PCS-TC-08-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-17	OU4-PCS-TC-09-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-19	OU4-PCS-TC-10-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-19RE	OU4-PCS-TC-10-0217 25RE	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/20/25	

Hit Summary Sheet
SW-846

A

B

C

D

SDG No.:	Q1382	Order ID:	Q1382
Client:	Nobis Group	Project ID:	Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									

Total Concentration: 0.000



SAMPLE DATA

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-01-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-01		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	91.9	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029213.D	1	02/18/25 13:16	02/19/25 19:09	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.014	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	417		27 - 122		83%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-02-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-03		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029214.D	1	02/18/25 13:16	02/19/25 19:33	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.014	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	434		27 - 122		87%	SPK: 500

Comments:

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B = Analyte Found in Associated Method Blank

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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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-03-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-05		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.4	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029215.D	1	02/18/25 13:16	02/19/25 19:57	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	433		27 - 122		87%	SPK: 500

Comments:

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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

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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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-04-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-07		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.5	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029216.D	1	02/18/25 13:16	02/19/25 20:21	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0093	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	380		27 - 122		76%	SPK: 500

Comments:

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LOQ = Limit of Quantitation

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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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92
Sample Wt/Vol:	30.05 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029217.D	1	02/18/25 13:16	02/19/25 20:45	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.014	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	420		27 - 122		84%	SPK: 500

Comments:

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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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-06-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-11		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.2	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029296.D	1	02/18/25 13:16	02/26/25 16:34	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	453		27 - 122		91%	SPK: 500

Comments:

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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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-07-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-13		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.2	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029297.D	1	02/18/25 13:16	02/26/25 16:58	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	553		27 - 122		111%	SPK: 500

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-08-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-15		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.6	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029298.D	1	02/18/25 13:16	02/26/25 17:22	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	562		27 - 122		112%	SPK: 500

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-09-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-17		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.6	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029299.D	1	02/18/25 13:16	02/26/25 17:46	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0093	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	539		27 - 122		108%	SPK: 500

Comments:

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:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-10-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-19		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	93.4	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029300.D	1	02/18/25 13:16	02/26/25 18:10	PB166763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0093	0.035	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.010	0.035	0.072	mg/Kg
94-75-7	2,4-D	0.035	U	0.013	0.035	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.010	0.035	0.072	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.011	0.035	0.072	mg/Kg
94-82-6	2,4-DB	0.035	U	0.020	0.035	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	502		27 - 122		100%	SPK: 500

Comments:

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

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			Herbicide Group1	8151A		02/18/25	02/19/25	
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			Herbicide Group1	8151A		02/18/25	02/19/25	
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03RE	OU4-PCS-TC-02-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			Herbicide Group1	8151A		02/18/25	02/19/25	
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-05RE	OU4-PCS-TC-03-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			Herbicide Group1	8151A		02/18/25	02/19/25	
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-07RE	OU4-PCS-TC-04-0217 25RE	SOIL			02/17/25			02/18/25

LAB CHRONICLE

PCB 8082A 02/19/25 02/20/25

Q1382-09 **OU4-PCS-TC-05-0217** **SOIL** **02/17/25** **02/18/25**
25

Herbicide Group1 8151A 02/18/25 02/19/25
PCB 8082A 02/19/25 02/21/25
Pesticide-TCL 8081B 02/19/25 02/19/25

Q1382-11 **OU4-PCS-TC-06-0217** **SOIL** **02/17/25** **02/18/25**
25

Herbicide Group1 8151A 02/18/25 02/26/25
PCB 8082A 02/19/25 02/19/25
Pesticide-TCL 8081B 02/19/25 02/19/25

Q1382-11RE **OU4-PCS-TC-06-0217** **SOIL** **02/17/25** **02/18/25**
25RE

PCB 8082A 02/19/25 02/20/25

Q1382-13 **OU4-PCS-TC-07-0217** **SOIL** **02/17/25** **02/18/25**
25

Herbicide Group1 8151A 02/18/25 02/26/25
PCB 8082A 02/19/25 02/19/25
Pesticide-TCL 8081B 02/19/25 02/19/25

Q1382-15 **OU4-PCS-TC-08-0217** **SOIL** **02/17/25** **02/18/25**
25

Herbicide Group1 8151A 02/18/25 02/26/25
PCB 8082A 02/19/25 02/19/25
Pesticide-TCL 8081B 02/19/25 02/19/25

Q1382-17 **OU4-PCS-TC-09-0217** **SOIL** **02/17/25** **02/18/25**
25

Herbicide Group1 8151A 02/18/25 02/26/25
PCB 8082A 02/19/25 02/19/25
Pesticide-TCL 8081B 02/19/25 02/19/25

Q1382-19 **OU4-PCS-TC-10-0217** **SOIL** **02/17/25** **02/18/25**
25

Herbicide Group1 8151A 02/18/25 02/26/25
PCB 8082A 02/19/25 02/19/25
Pesticide-TCL 8081B 02/19/25 02/19/25

LAB CHRONICLE

Q1382-19RE	OU4-PCS-TC-10-0217 25RE	SOIL			02/17/25		02/18/25
			PCB	8082A		02/19/25	02/20/25

Hit Summary Sheet SW-846

SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-PCS-TC-01-021725								
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Aluminum	7100		2.21	4.59	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Barium	14.4		0.59	4.59	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Beryllium	0.42		0.011	0.28	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Cadmium	0.73		0.015	0.28	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Calcium	7990		2.57	91.8	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Chromium	1.31		0.050	0.46	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Cobalt	16.6		0.053	1.38	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Copper	36.2		0.43	0.92	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Iron	26000		2.47	4.59	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Lead	2.64		0.14	0.55	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Magnesium	6210		3.15	91.8	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Manganese	199		0.065	0.92	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Mercury	0.014	J	0.0060	0.015	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Nickel	7.72		0.083	1.84	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Potassium	84.7	J	26.4	91.8	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Sodium	1090		33.1	91.8	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Vanadium	51.0		0.25	1.84	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Zinc	24.8		0.10	1.84	mg/Kg
Client ID : OU4-PCS-TC-02-021725								
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Aluminum	6610		2.46	5.10	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Barium	13.9		0.65	5.10	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Beryllium	0.34		0.012	0.31	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Cadmium	0.29	J	0.016	0.31	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Calcium	9600		2.85	102	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Chromium	0.81		0.055	0.51	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Cobalt	15.7		0.059	1.53	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Copper	31.0		0.48	1.02	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Iron	27100		2.74	5.10	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Lead	2.32		0.15	0.61	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Magnesium	5780		3.50	102	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Manganese	240		0.072	1.02	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Nickel	7.08		0.092	2.04	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Potassium	154		29.3	102	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Sodium	1180		36.8	102	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Vanadium	44.8		0.28	2.04	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Zinc	25.1		0.11	2.04	mg/Kg

Hit Summary Sheet SW-846

SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-PCS-TC-03-021725								
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Aluminum	6530		2.33	4.83	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Barium	12.2		0.62	4.83	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Beryllium	0.36		0.012	0.29	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Cadmium	0.46		0.015	0.29	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Calcium	7040		2.71	96.6	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Chromium	1.75		0.052	0.48	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Cobalt	15.1		0.056	1.45	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Copper	33.3		0.45	0.97	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Iron	24300		2.60	4.83	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Lead	1.94		0.14	0.58	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Magnesium	5740		3.31	96.6	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Manganese	195		0.069	0.97	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Nickel	7.56		0.087	1.93	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Potassium	83.5	J	27.7	96.6	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Sodium	1080		34.9	96.6	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Vanadium	48.5		0.26	1.93	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Zinc	24.1		0.11	1.93	mg/Kg
Client ID : OU4-PCS-TC-04-021725								
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Aluminum	7510		2.29	4.74	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Barium	16.7		0.61	4.74	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Beryllium	0.42		0.011	0.28	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Cadmium	0.70		0.015	0.28	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Calcium	7530		2.66	94.8	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Chromium	0.94		0.051	0.47	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Cobalt	17.9		0.055	1.42	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Copper	36.8		0.45	0.95	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Iron	29400		2.55	4.74	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Lead	2.35		0.14	0.57	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Magnesium	6770		3.25	94.8	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Manganese	220		0.067	0.95	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Nickel	7.88		0.085	1.90	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Potassium	101		27.2	94.8	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Sodium	1180		34.2	94.8	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Vanadium	53.7		0.26	1.90	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Zinc	27.5		0.10	1.90	mg/Kg
Client ID : OU4-PCS-TC-05-021725								
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Aluminum	8490		2.38	4.94	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Barium	11.9		0.63	4.94	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Beryllium	0.41		0.012	0.30	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Cadmium	0.51		0.016	0.30	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Calcium	9770		2.77	98.8	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Chromium	1.08		0.053	0.49	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Cobalt	17.4		0.057	1.48	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Copper	34.8		0.46	0.99	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Iron	28800		2.66	4.94	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Lead	2.55		0.15	0.59	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Magnesium	6850		3.39	98.8	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Manganese	209		0.070	0.99	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Nickel	8.38		0.089	1.98	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Potassium	131		28.4	98.8	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Sodium	1250		35.7	98.8	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Vanadium	52.2		0.27	1.98	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Zinc	28.7		0.11	1.98	mg/Kg
Client ID : OU4-PCS-TC-06-021725								
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Aluminum	7210		2.43	5.04	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Barium	13.8		0.65	5.04	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Beryllium	0.37		0.012	0.30	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Cadmium	0.32		0.016	0.30	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Calcium	8360		2.83	101	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Chromium	1.16		0.054	0.50	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Cobalt	16.0		0.059	1.51	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Copper	32.5		0.47	1.01	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Iron	28100		2.71	5.04	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Lead	2.42		0.15	0.61	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Magnesium	6110		3.46	101	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Manganese	197		0.072	1.01	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Nickel	7.45		0.091	2.02	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Potassium	106		29.0	101	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Sodium	1260		36.4	101	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Vanadium	48.9		0.27	2.02	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Zinc	24.4		0.11	2.02	mg/Kg
Client ID : OU4-PCS-TC-07-021725								
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Aluminum	7850		2.40	4.98	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Barium	12.3		0.64	4.98	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Beryllium	0.36		0.012	0.30	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Cadmium	0.11	J	0.016	0.30	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Calcium	8070		2.79	99.5	mg/Kg

Hit Summary Sheet SW-846

SDG No.:	Q1382	Order ID:	Q1382
Client:	Nobis Group	Project ID:	Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Chromium	1.28		0.054	0.50	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Cobalt	16.3		0.058	1.49	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Copper	32.0		0.47	1.00	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Iron	29200		2.68	4.98	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Lead	2.21		0.15	0.60	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Magnesium	6880		3.41	99.5	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Manganese	196		0.071	1.00	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Nickel	7.77		0.090	1.99	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Potassium	105		28.6	99.5	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Sodium	1440		35.9	99.5	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Vanadium	49.1		0.27	1.99	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Zinc	23.6		0.11	1.99	mg/Kg
Client ID : OU4-PCS-TC-08-021725								
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Aluminum	7070		2.49	5.17	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Barium	13.8		0.66	5.17	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Beryllium	0.38		0.012	0.31	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Cadmium	0.53		0.017	0.31	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Calcium	8730		2.89	103	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Chromium	1.07		0.056	0.52	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Cobalt	16.2		0.060	1.55	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Copper	34.3		0.49	1.03	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Iron	26300		2.78	5.17	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Lead	2.08		0.16	0.62	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Magnesium	6400		3.54	103	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Manganese	214		0.073	1.03	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Nickel	7.45		0.093	2.07	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Potassium	95.1	J	29.7	103	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Sodium	1140		37.3	103	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Vanadium	46.1		0.28	2.07	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Zinc	25.6		0.11	2.07	mg/Kg
Client ID : OU4-PCS-TC-09-021725								
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Aluminum	7060		2.47	5.12	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Barium	12.4		0.66	5.12	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Beryllium	0.36		0.012	0.31	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Cadmium	0.17	J	0.016	0.31	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Calcium	7560		2.87	102	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Chromium	1.08		0.055	0.51	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Cobalt	16.2		0.059	1.54	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Copper	33.1		0.48	1.02	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Iron	28100		2.75	5.12	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Lead	2.61		0.15	0.61	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Magnesium	6150		3.51	102	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Manganese	200		0.073	1.02	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Nickel	7.47		0.092	2.05	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Potassium	96.3	J	29.4	102	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Sodium	1230		37.0	102	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Vanadium	51.4		0.28	2.05	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Zinc	27.1		0.11	2.05	mg/Kg
Client ID : OU4-PCS-TC-10-021725								
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Aluminum	7910		2.46	5.10	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Barium	13.7		0.65	5.10	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Beryllium	0.41		0.012	0.31	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Cadmium	0.40		0.016	0.31	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Calcium	9010		2.86	102	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Chromium	1.23		0.055	0.51	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Cobalt	17.5		0.059	1.53	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Copper	33.5		0.48	1.02	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Iron	29500		2.74	5.10	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Lead	2.92		0.15	0.61	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Magnesium	6900		3.50	102	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Manganese	233		0.072	1.02	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Nickel	8.15		0.092	2.04	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Potassium	104		29.3	102	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Sodium	1250		36.8	102	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Vanadium	51.3		0.28	2.04	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Zinc	26.9		0.11	2.04	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7100		1	2.21	3.67	4.59	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-36-0	Antimony	0.57	UN	1	0.14	0.57	2.30	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-38-2	Arsenic	0.74	U	1	0.27	0.74	0.92	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-39-3	Barium	14.4	N	1	0.59	1.15	4.59	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-41-7	Beryllium	0.42	N	1	0.011	0.069	0.28	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-43-9	Cadmium	0.73		1	0.015	0.069	0.28	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-70-2	Calcium	7990		1	2.57	23.0	91.8	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-47-3	Chromium	1.31		1	0.050	0.12	0.46	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-48-4	Cobalt	16.6		1	0.053	0.34	1.38	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-50-8	Copper	36.2		1	0.43	0.74	0.92	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-89-6	Iron	26000		1	2.47	3.67	4.59	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-92-1	Lead	2.64	N	1	0.14	0.44	0.55	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-95-4	Magnesium	6210		1	3.15	23.0	91.8	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-96-5	Manganese	199		1	0.065	0.23	0.92	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-97-6	Mercury	0.014	J	1	0.0060	0.012	0.015	mg/Kg	02/20/25 16:00	02/21/25 14:17	SW7471B	
7440-02-0	Nickel	7.72		1	0.083	0.46	1.84	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-09-7	Potassium	84.7	JN	1	26.4	73.5	91.8	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7782-49-2	Selenium	0.74	UN	1	0.30	0.74	0.92	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-22-4	Silver	0.23	UN	1	0.048	0.23	0.46	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-23-5	Sodium	1090		1	33.1	73.5	91.8	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-28-0	Thallium	0.92	U	1	0.40	0.92	1.84	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-62-2	Vanadium	51.0	N	1	0.25	0.92	1.84	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-66-6	Zinc	24.8	N	1	0.10	0.46	1.84	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6610		1	2.46	4.08	5.10	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-36-0	Antimony	0.64	UN	1	0.15	0.64	2.55	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-38-2	Arsenic	0.82	U	1	0.30	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-39-3	Barium	13.9	N	1	0.65	1.27	5.10	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-41-7	Beryllium	0.34	N	1	0.012	0.076	0.31	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-43-9	Cadmium	0.29	J	1	0.016	0.076	0.31	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-70-2	Calcium	9600		1	2.85	25.5	102	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-47-3	Chromium	0.81		1	0.055	0.13	0.51	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-48-4	Cobalt	15.7		1	0.059	0.38	1.53	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-50-8	Copper	31.0		1	0.48	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-89-6	Iron	27100		1	2.74	4.08	5.10	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-92-1	Lead	2.32	N	1	0.15	0.49	0.61	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-95-4	Magnesium	5780		1	3.50	25.5	102	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-96-5	Manganese	240		1	0.072	0.26	1.02	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-97-6	Mercury	0.010	U	1	0.0060	0.010	0.013	mg/Kg	02/20/25 16:00	02/21/25 14:19	SW7471B	
7440-02-0	Nickel	7.08		1	0.092	0.51	2.04	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-09-7	Potassium	154	N	1	29.3	81.5	102	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7782-49-2	Selenium	0.82	UN	1	0.34	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-22-4	Silver	0.26	UN	1	0.053	0.26	0.51	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-23-5	Sodium	1180		1	36.8	81.5	102	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-28-0	Thallium	1.02	U	1	0.45	1.02	2.04	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-62-2	Vanadium	44.8	N	1	0.28	1.02	2.04	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-66-6	Zinc	25.1	N	1	0.11	0.51	2.04	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6530		1	2.33	3.87	4.83	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-36-0	Antimony	0.60	UN	1	0.14	0.60	2.42	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-38-2	Arsenic	0.77	U	1	0.28	0.77	0.97	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-39-3	Barium	12.2	N	1	0.62	1.21	4.83	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-41-7	Beryllium	0.36	N	1	0.012	0.072	0.29	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-43-9	Cadmium	0.46		1	0.015	0.072	0.29	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-70-2	Calcium	7040		1	2.71	24.2	96.6	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-47-3	Chromium	1.75		1	0.052	0.12	0.48	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-48-4	Cobalt	15.1		1	0.056	0.36	1.45	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-50-8	Copper	33.3		1	0.45	0.77	0.97	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-89-6	Iron	24300		1	2.60	3.87	4.83	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-92-1	Lead	1.94	N	1	0.14	0.46	0.58	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-95-4	Magnesium	5740		1	3.31	24.2	96.6	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-96-5	Manganese	195		1	0.069	0.24	0.97	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-97-6	Mercury	0.012	U	1	0.0070	0.012	0.015	mg/Kg	02/20/25 16:00	02/21/25 14:22	SW7471B	
7440-02-0	Nickel	7.56		1	0.087	0.48	1.93	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-09-7	Potassium	83.5	JN	1	27.7	77.3	96.6	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7782-49-2	Selenium	0.77	UN	1	0.32	0.77	0.97	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-22-4	Silver	0.24	UN	1	0.050	0.24	0.48	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-23-5	Sodium	1080		1	34.9	77.3	96.6	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-28-0	Thallium	0.97	U	1	0.43	0.97	1.93	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-62-2	Vanadium	48.5	N	1	0.26	0.97	1.93	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-66-6	Zinc	24.1	N	1	0.11	0.48	1.93	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7510		1	2.29	3.79	4.74	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-36-0	Antimony	0.59	UN	1	0.14	0.59	2.37	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-38-2	Arsenic	0.76	U	1	0.28	0.76	0.95	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-39-3	Barium	16.7	N	1	0.61	1.19	4.74	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-41-7	Beryllium	0.42	N	1	0.011	0.071	0.28	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-43-9	Cadmium	0.70		1	0.015	0.071	0.28	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-70-2	Calcium	7530		1	2.66	23.7	94.8	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-47-3	Chromium	0.94		1	0.051	0.12	0.47	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-48-4	Cobalt	17.9		1	0.055	0.36	1.42	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-50-8	Copper	36.8		1	0.45	0.76	0.95	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-89-6	Iron	29400		1	2.55	3.79	4.74	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-92-1	Lead	2.35	N	1	0.14	0.46	0.57	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-95-4	Magnesium	6770		1	3.25	23.7	94.8	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-96-5	Manganese	220		1	0.067	0.24	0.95	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-97-6	Mercury	0.010	U	1	0.0060	0.010	0.013	mg/Kg	02/20/25 16:00	02/21/25 14:24	SW7471B	
7440-02-0	Nickel	7.88		1	0.085	0.47	1.90	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-09-7	Potassium	101	N	1	27.2	75.9	94.8	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7782-49-2	Selenium	0.76	UN	1	0.31	0.76	0.95	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-22-4	Silver	0.24	UN	1	0.049	0.24	0.47	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-23-5	Sodium	1180		1	34.2	75.9	94.8	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-28-0	Thallium	0.95	U	1	0.42	0.95	1.90	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-62-2	Vanadium	53.7	N	1	0.26	0.95	1.90	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-66-6	Zinc	27.5	N	1	0.10	0.47	1.90	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8490		1	2.38	3.95	4.94	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-36-0	Antimony	0.62	UN	1	0.15	0.62	2.47	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-38-2	Arsenic	0.79	U	1	0.29	0.79	0.99	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-39-3	Barium	11.9	N	1	0.63	1.24	4.94	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-41-7	Beryllium	0.41	N	1	0.012	0.074	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-43-9	Cadmium	0.51		1	0.016	0.074	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-70-2	Calcium	9770		1	2.77	24.7	98.8	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-47-3	Chromium	1.08		1	0.053	0.12	0.49	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-48-4	Cobalt	17.4		1	0.057	0.37	1.48	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-50-8	Copper	34.8		1	0.46	0.79	0.99	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-89-6	Iron	28800		1	2.66	3.95	4.94	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-92-1	Lead	2.55	N	1	0.15	0.47	0.59	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-95-4	Magnesium	6850		1	3.39	24.7	98.8	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-96-5	Manganese	209		1	0.070	0.25	0.99	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-97-6	Mercury	0.010	U	1	0.0060	0.010	0.013	mg/Kg	02/20/25 16:00	02/21/25 14:26	SW7471B	
7440-02-0	Nickel	8.38		1	0.089	0.49	1.98	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-09-7	Potassium	131	N	1	28.4	79.1	98.8	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7782-49-2	Selenium	0.79	UN	1	0.33	0.79	0.99	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-22-4	Silver	0.25	UN	1	0.051	0.25	0.49	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-23-5	Sodium	1250		1	35.7	79.1	98.8	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-28-0	Thallium	0.99	U	1	0.44	0.99	1.98	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-62-2	Vanadium	52.2	N	1	0.27	0.99	1.98	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-66-6	Zinc	28.7	N	1	0.11	0.49	1.98	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7210		1	2.43	4.04	5.04	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-36-0	Antimony	0.63	UN	1	0.15	0.63	2.52	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-38-2	Arsenic	0.81	U	1	0.29	0.81	1.01	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-39-3	Barium	13.8	N	1	0.65	1.26	5.04	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-41-7	Beryllium	0.37	N	1	0.012	0.076	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-43-9	Cadmium	0.32		1	0.016	0.076	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-70-2	Calcium	8360		1	2.83	25.2	101	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-47-3	Chromium	1.16		1	0.054	0.13	0.50	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-48-4	Cobalt	16.0		1	0.059	0.38	1.51	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-50-8	Copper	32.5		1	0.47	0.81	1.01	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-89-6	Iron	28100		1	2.71	4.04	5.04	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-92-1	Lead	2.42	N	1	0.15	0.48	0.61	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-95-4	Magnesium	6110		1	3.46	25.2	101	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-96-5	Manganese	197		1	0.072	0.25	1.01	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-97-6	Mercury	0.012	U	1	0.0060	0.012	0.015	mg/Kg	02/20/25 16:00	02/21/25 14:28	SW7471B	
7440-02-0	Nickel	7.45		1	0.091	0.50	2.02	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-09-7	Potassium	106	N	1	29.0	80.7	101	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7782-49-2	Selenium	0.81	UN	1	0.33	0.81	1.01	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-22-4	Silver	0.25	UN	1	0.052	0.25	0.50	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-23-5	Sodium	1260		1	36.4	80.7	101	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-28-0	Thallium	1.01	U	1	0.44	1.01	2.02	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-62-2	Vanadium	48.9	N	1	0.27	1.01	2.02	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-66-6	Zinc	24.4	N	1	0.11	0.50	2.02	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7850		1	2.40	3.98	4.98	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-36-0	Antimony	0.62	UN	1	0.15	0.62	2.49	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-38-2	Arsenic	0.80	U	1	0.29	0.80	1.00	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-39-3	Barium	12.3	N	1	0.64	1.24	4.98	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-41-7	Beryllium	0.36	N	1	0.012	0.075	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-43-9	Cadmium	0.11	J	1	0.016	0.075	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-70-2	Calcium	8070		1	2.79	24.9	99.5	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-47-3	Chromium	1.28		1	0.054	0.12	0.50	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-48-4	Cobalt	16.3		1	0.058	0.37	1.49	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-50-8	Copper	32.0		1	0.47	0.80	1.00	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-89-6	Iron	29200		1	2.68	3.98	4.98	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-92-1	Lead	2.21	N	1	0.15	0.48	0.60	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-95-4	Magnesium	6880		1	3.41	24.9	99.5	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-96-5	Manganese	196		1	0.071	0.25	1.00	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-97-6	Mercury	0.010	U	1	0.0060	0.010	0.013	mg/Kg	02/20/25 16:00	02/21/25 14:35	SW7471B	
7440-02-0	Nickel	7.77		1	0.090	0.50	1.99	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-09-7	Potassium	105	N	1	28.6	79.6	99.5	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7782-49-2	Selenium	0.80	UN	1	0.33	0.80	1.00	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-22-4	Silver	0.25	UN	1	0.052	0.25	0.50	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-23-5	Sodium	1440		1	35.9	79.6	99.5	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-28-0	Thallium	1.00	U	1	0.44	1.00	1.99	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-62-2	Vanadium	49.1	N	1	0.27	1.00	1.99	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-66-6	Zinc	23.6	N	1	0.11	0.50	1.99	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7070		1	2.49	4.13	5.17	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-36-0	Antimony	0.65	UN	1	0.16	0.65	2.58	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-38-2	Arsenic	0.83	U	1	0.30	0.83	1.03	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-39-3	Barium	13.8	N	1	0.66	1.29	5.17	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-41-7	Beryllium	0.38	N	1	0.012	0.078	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-43-9	Cadmium	0.53		1	0.017	0.078	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-70-2	Calcium	8730		1	2.89	25.8	103	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-47-3	Chromium	1.07		1	0.056	0.13	0.52	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-48-4	Cobalt	16.2		1	0.060	0.39	1.55	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-50-8	Copper	34.3		1	0.49	0.83	1.03	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-89-6	Iron	26300		1	2.78	4.13	5.17	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-92-1	Lead	2.08	N	1	0.16	0.50	0.62	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-95-4	Magnesium	6400		1	3.54	25.8	103	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-96-5	Manganese	214		1	0.073	0.26	1.03	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-97-6	Mercury	0.011	U	1	0.0060	0.011	0.014	mg/Kg	02/20/25 16:00	02/21/25 14:37	SW7471B	
7440-02-0	Nickel	7.45		1	0.093	0.52	2.07	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-09-7	Potassium	95.1	JN	1	29.7	82.7	103	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7782-49-2	Selenium	0.83	UN	1	0.34	0.83	1.03	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-22-4	Silver	0.26	UN	1	0.054	0.26	0.52	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-23-5	Sodium	1140		1	37.3	82.7	103	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-28-0	Thallium	1.03	U	1	0.46	1.03	2.07	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-62-2	Vanadium	46.1	N	1	0.28	1.03	2.07	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-66-6	Zinc	25.6	N	1	0.11	0.52	2.07	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7060		1	2.47	4.09	5.12	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-36-0	Antimony	0.64	UN	1	0.15	0.64	2.56	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-38-2	Arsenic	0.82	U	1	0.30	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-39-3	Barium	12.4	N	1	0.66	1.28	5.12	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-41-7	Beryllium	0.36	N	1	0.012	0.077	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-43-9	Cadmium	0.17	J	1	0.016	0.077	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-70-2	Calcium	7560		1	2.87	25.6	102	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-47-3	Chromium	1.08		1	0.055	0.13	0.51	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-48-4	Cobalt	16.2		1	0.059	0.38	1.54	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-50-8	Copper	33.1		1	0.48	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-89-6	Iron	28100		1	2.75	4.09	5.12	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-92-1	Lead	2.61	N	1	0.15	0.49	0.61	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-95-4	Magnesium	6150		1	3.51	25.6	102	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-96-5	Manganese	200		1	0.073	0.26	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-97-6	Mercury	0.011	U	1	0.0060	0.011	0.014	mg/Kg	02/20/25 16:00	02/21/25 14:40	SW7471B	
7440-02-0	Nickel	7.47		1	0.092	0.51	2.05	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-09-7	Potassium	96.3	JN	1	29.4	81.9	102	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7782-49-2	Selenium	0.82	UN	1	0.34	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-22-4	Silver	0.26	UN	1	0.053	0.26	0.51	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-23-5	Sodium	1230		1	37.0	81.9	102	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-28-0	Thallium	1.02	U	1	0.45	1.02	2.05	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-62-2	Vanadium	51.4	N	1	0.28	1.02	2.05	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-66-6	Zinc	27.1	N	1	0.11	0.51	2.05	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050

Color Before:	Black	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7910		1	2.46	4.08	5.10	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-36-0	Antimony	0.64	UN	1	0.15	0.64	2.55	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-38-2	Arsenic	0.82	U	1	0.30	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-39-3	Barium	13.7	N	1	0.65	1.27	5.10	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-41-7	Beryllium	0.41	N	1	0.012	0.076	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-43-9	Cadmium	0.40		1	0.016	0.076	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-70-2	Calcium	9010		1	2.86	25.5	102	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-47-3	Chromium	1.23		1	0.055	0.13	0.51	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-48-4	Cobalt	17.5		1	0.059	0.38	1.53	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-50-8	Copper	33.5		1	0.48	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-89-6	Iron	29500		1	2.74	4.08	5.10	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-92-1	Lead	2.92	N	1	0.15	0.49	0.61	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-95-4	Magnesium	6900		1	3.50	25.5	102	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-96-5	Manganese	233		1	0.072	0.26	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-97-6	Mercury	0.011	U	1	0.0060	0.011	0.014	mg/Kg	02/20/25 16:00	02/21/25 14:42	SW7471B	
7440-02-0	Nickel	8.15		1	0.092	0.51	2.04	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-09-7	Potassium	104	N	1	29.3	81.6	102	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7782-49-2	Selenium	0.82	UN	1	0.34	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-22-4	Silver	0.26	UN	1	0.053	0.26	0.51	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-23-5	Sodium	1250		1	36.8	81.6	102	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-28-0	Thallium	1.02	U	1	0.45	1.02	2.04	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-62-2	Vanadium	51.3	N	1	0.28	1.02	2.04	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-66-6	Zinc	26.9	N	1	0.11	0.51	2.04	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050

Color Before:	Black	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

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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

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N = Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/20/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-02	OU4-PCS-TC-01-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/20/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-04	OU4-PCS-TC-02-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/20/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-06	OU4-PCS-TC-03-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/20/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	

LAB CHRONICLE

Q1382-08	OU4-PCS-TC-04-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/20/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-10	OU4-PCS-TC-05-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/20/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-12	OU4-PCS-TC-06-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/20/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-14	OU4-PCS-TC-07-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-15	OU4-PCS-TC-08-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/20/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-16	OU4-PCS-TC-08-0217 25	Water			02/17/25		02/18/25

LAB CHRONICLE

Q1382-17	OU4-PCS-TC-09-0217 25	SOIL	SPLP Mercury	7470A	02/24/25	02/24/25	02/17/25	02/18/25
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		
Q1382-18	OU4-PCS-TC-09-0217 25	Water	Mercury	7471B	02/20/25	02/21/25	02/17/25	02/18/25
			Metals ICP-TAL	6010D	02/18/25	02/19/25		
Q1382-19	OU4-PCS-TC-10-0217 25	SOIL	SPLP Mercury	7470A	02/24/25	02/24/25	02/17/25	02/18/25
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		
Q1382-20	OU4-PCS-TC-10-0217 25	Water	Mercury	7471B	02/20/25	02/21/25	02/17/25	02/18/25
			Metals ICP-TAL	6010D	02/18/25	02/19/25		
			SPLP Mercury	7470A	02/24/25	02/24/25		
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		

Hit Summary Sheet SW-846

SDG No.: Q1382 **Order ID:** Q1382
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-01-021725									
Q1382-02	OU4-PCS-TC-01-021725	Water	Arsenic	2.10	JD	0.45	1.25	5.00	ug/L
Q1382-02	OU4-PCS-TC-01-021725	Water	Barium	125	D	1.50	6.25	50.0	ug/L
Q1382-02	OU4-PCS-TC-01-021725	Water	Beryllium	1.00	JD	0.80	1.25	5.00	ug/L
Q1382-02	OU4-PCS-TC-01-021725	Water	Chromium	5.30	JD	2.00	3.75	10.0	ug/L
Q1382-02	OU4-PCS-TC-01-021725	Water	Copper	95.8	D	2.00	7.50	10.0	ug/L
Q1382-02	OU4-PCS-TC-01-021725	Water	Lead	1.45	JD	0.55	3.75	5.00	ug/L
Q1382-02	OU4-PCS-TC-01-021725	Water	Nickel	27.2	D	0.90	1.25	5.00	ug/L
Q1382-02	OU4-PCS-TC-01-021725	Water	Vanadium	92.4	D	0.36	1.25	25.0	ug/L
Q1382-02	OU4-PCS-TC-01-021725	Water	Zinc	698	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-02-021725									
Q1382-04	OU4-PCS-TC-02-021725	Water	Arsenic	2.10	JD	0.45	1.25	5.00	ug/L
Q1382-04	OU4-PCS-TC-02-021725	Water	Barium	111	D	1.50	6.25	50.0	ug/L
Q1382-04	OU4-PCS-TC-02-021725	Water	Beryllium	1.05	JD	0.80	1.25	5.00	ug/L
Q1382-04	OU4-PCS-TC-02-021725	Water	Chromium	8.05	JD	2.00	3.75	10.0	ug/L
Q1382-04	OU4-PCS-TC-02-021725	Water	Copper	104	D	2.00	7.50	10.0	ug/L
Q1382-04	OU4-PCS-TC-02-021725	Water	Lead	1.55	JD	0.55	3.75	5.00	ug/L
Q1382-04	OU4-PCS-TC-02-021725	Water	Nickel	31.7	D	0.90	1.25	5.00	ug/L
Q1382-04	OU4-PCS-TC-02-021725	Water	Vanadium	169	D	0.36	1.25	25.0	ug/L
Q1382-04	OU4-PCS-TC-02-021725	Water	Zinc	817	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-03-021725									
Q1382-06	OU4-PCS-TC-03-021725	Water	Antimony	1.45	JD	0.55	1.25	10.0	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Arsenic	2.60	JD	0.45	1.25	5.00	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Barium	121	D	1.50	6.25	50.0	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Beryllium	1.05	JD	0.80	1.25	5.00	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Chromium	10.1	D	2.00	3.75	10.0	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Copper	101	D	2.00	7.50	10.0	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Lead	2.00	JD	0.55	3.75	5.00	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Nickel	32.3	D	0.90	1.25	5.00	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Vanadium	190	D	0.36	1.25	25.0	ug/L
Q1382-06	OU4-PCS-TC-03-021725	Water	Zinc	770	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-04-021725									
Q1382-08	OU4-PCS-TC-04-021725	Water	Arsenic	2.00	JD	0.45	1.25	5.00	ug/L
Q1382-08	OU4-PCS-TC-04-021725	Water	Barium	117	D	1.50	6.25	50.0	ug/L
Q1382-08	OU4-PCS-TC-04-021725	Water	Beryllium	0.95	JD	0.80	1.25	5.00	ug/L
Q1382-08	OU4-PCS-TC-04-021725	Water	Chromium	8.10	JD	2.00	3.75	10.0	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1382-08	OU4-PCS-TC-04-021725	Water	Copper	150	D	2.00	7.50	10.0	ug/L
Q1382-08	OU4-PCS-TC-04-021725	Water	Lead	1.35	JD	0.55	3.75	5.00	ug/L
Q1382-08	OU4-PCS-TC-04-021725	Water	Nickel	33.1	D	0.90	1.25	5.00	ug/L
Q1382-08	OU4-PCS-TC-04-021725	Water	Vanadium	103	D	0.36	1.25	25.0	ug/L
Q1382-08	OU4-PCS-TC-04-021725	Water	Zinc	732	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-05-021725									
Q1382-10	OU4-PCS-TC-05-021725	Water	Arsenic	2.50	JD	0.45	1.25	5.00	ug/L
Q1382-10	OU4-PCS-TC-05-021725	Water	Barium	122	D	1.50	6.25	50.0	ug/L
Q1382-10	OU4-PCS-TC-05-021725	Water	Beryllium	0.95	JD	0.80	1.25	5.00	ug/L
Q1382-10	OU4-PCS-TC-05-021725	Water	Chromium	7.80	JD	2.00	3.75	10.0	ug/L
Q1382-10	OU4-PCS-TC-05-021725	Water	Copper	100	D	2.00	7.50	10.0	ug/L
Q1382-10	OU4-PCS-TC-05-021725	Water	Lead	1.55	JD	0.55	3.75	5.00	ug/L
Q1382-10	OU4-PCS-TC-05-021725	Water	Nickel	31.2	D	0.90	1.25	5.00	ug/L
Q1382-10	OU4-PCS-TC-05-021725	Water	Vanadium	156	D	0.36	1.25	25.0	ug/L
Q1382-10	OU4-PCS-TC-05-021725	Water	Zinc	788	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-06-021725									
Q1382-12	OU4-PCS-TC-06-021725	Water	Arsenic	2.90	JD	0.45	1.25	5.00	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Barium	113	D	1.50	6.25	50.0	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Beryllium	1.00	JD	0.80	1.25	5.00	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Chromium	16.8	D	2.00	3.75	10.0	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Copper	109	D	2.00	7.50	10.0	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Lead	2.10	JD	0.55	3.75	5.00	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Nickel	40.2	D	0.90	1.25	5.00	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Mercury	0.096	J	0.081	0.16	0.20	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Vanadium	237	D	0.36	1.25	25.0	ug/L
Q1382-12	OU4-PCS-TC-06-021725	Water	Zinc	819	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-07-021725									
Q1382-14	OU4-PCS-TC-07-021725	Water	Arsenic	2.55	JD	0.45	1.25	5.00	ug/L
Q1382-14	OU4-PCS-TC-07-021725	Water	Barium	122	D	1.50	6.25	50.0	ug/L
Q1382-14	OU4-PCS-TC-07-021725	Water	Beryllium	1.15	JD	0.80	1.25	5.00	ug/L
Q1382-14	OU4-PCS-TC-07-021725	Water	Chromium	10.8	D	2.00	3.75	10.0	ug/L
Q1382-14	OU4-PCS-TC-07-021725	Water	Copper	118	D	2.00	7.50	10.0	ug/L
Q1382-14	OU4-PCS-TC-07-021725	Water	Lead	2.20	JD	0.55	3.75	5.00	ug/L
Q1382-14	OU4-PCS-TC-07-021725	Water	Nickel	36.7	D	0.90	1.25	5.00	ug/L
Q1382-14	OU4-PCS-TC-07-021725	Water	Vanadium	224	D	0.36	1.25	25.0	ug/L
Q1382-14	OU4-PCS-TC-07-021725	Water	Zinc	865	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-08-021725									
Q1382-16	OU4-PCS-TC-08-021725	Water	Arsenic	2.85	JD	0.45	1.25	5.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1382-16	OU4-PCS-TC-08-021725	Water	Barium	118	D	1.50	6.25	50.0	ug/L
Q1382-16	OU4-PCS-TC-08-021725	Water	Beryllium	1.10	JD	0.80	1.25	5.00	ug/L
Q1382-16	OU4-PCS-TC-08-021725	Water	Chromium	10.3	D	2.00	3.75	10.0	ug/L
Q1382-16	OU4-PCS-TC-08-021725	Water	Copper	102	D	2.00	7.50	10.0	ug/L
Q1382-16	OU4-PCS-TC-08-021725	Water	Lead	1.80	JD	0.55	3.75	5.00	ug/L
Q1382-16	OU4-PCS-TC-08-021725	Water	Nickel	33.9	D	0.90	1.25	5.00	ug/L
Q1382-16	OU4-PCS-TC-08-021725	Water	Vanadium	188	D	0.36	1.25	25.0	ug/L
Q1382-16	OU4-PCS-TC-08-021725	Water	Zinc	726	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-09-021725									
Q1382-18	OU4-PCS-TC-09-021725	Water	Arsenic	2.80	JD	0.45	1.25	5.00	ug/L
Q1382-18	OU4-PCS-TC-09-021725	Water	Barium	105	D	1.50	6.25	50.0	ug/L
Q1382-18	OU4-PCS-TC-09-021725	Water	Beryllium	1.10	JD	0.80	1.25	5.00	ug/L
Q1382-18	OU4-PCS-TC-09-021725	Water	Chromium	12.9	D	2.00	3.75	10.0	ug/L
Q1382-18	OU4-PCS-TC-09-021725	Water	Copper	115	D	2.00	7.50	10.0	ug/L
Q1382-18	OU4-PCS-TC-09-021725	Water	Lead	2.00	JD	0.55	3.75	5.00	ug/L
Q1382-18	OU4-PCS-TC-09-021725	Water	Nickel	38.9	D	0.90	1.25	5.00	ug/L
Q1382-18	OU4-PCS-TC-09-021725	Water	Vanadium	233	D	0.36	1.25	25.0	ug/L
Q1382-18	OU4-PCS-TC-09-021725	Water	Zinc	767	D	2.80	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-10-021725									
Q1382-20	OU4-PCS-TC-10-021725	Water	Arsenic	2.80	JD	0.45	1.25	5.00	ug/L
Q1382-20	OU4-PCS-TC-10-021725	Water	Barium	116	D	1.50	6.25	50.0	ug/L
Q1382-20	OU4-PCS-TC-10-021725	Water	Beryllium	1.30	JD	0.80	1.25	5.00	ug/L
Q1382-20	OU4-PCS-TC-10-021725	Water	Chromium	11.2	D	2.00	3.75	10.0	ug/L
Q1382-20	OU4-PCS-TC-10-021725	Water	Copper	117	D	2.00	7.50	10.0	ug/L
Q1382-20	OU4-PCS-TC-10-021725	Water	Lead	2.15	JD	0.55	3.75	5.00	ug/L
Q1382-20	OU4-PCS-TC-10-021725	Water	Nickel	37.5	D	0.90	1.25	5.00	ug/L
Q1382-20	OU4-PCS-TC-10-021725	Water	Vanadium	231	D	0.36	1.25	25.0	ug/L
Q1382-20	OU4-PCS-TC-10-021725	Water	Zinc	769	D	2.80	7.50	25.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-02	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	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-38-2	Arsenic	2.10	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-39-3	Barium	125	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-41-7	Beryllium	1.00	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-47-3	Chromium	5.30	JD	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-50-8	Copper	95.8	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7439-92-1	Lead	1.45	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 11:06	SW7470A	
7440-02-0	Nickel	27.2	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-22-4	Silver	2.50	UDN5		0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-62-2	Vanadium	92.4	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	3010A
7440-66-6	Zinc	698	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:15	SW6020	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-04	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	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-38-2	Arsenic	2.10	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-39-3	Barium	111	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-41-7	Beryllium	1.05	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-47-3	Chromium	8.05	JD	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-50-8	Copper	104	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7439-92-1	Lead	1.55	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 10:56	SW7470A	
7440-02-0	Nickel	31.7	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-22-4	Silver	2.50	UDN5		0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-62-2	Vanadium	169	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A
7440-66-6	Zinc	817	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:18	SW6020	3010A

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

U = Not Detected
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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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-06	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	1.45	JD	5	0.55	1.25	10.0	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-38-2	Arsenic	2.60	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-39-3	Barium	121	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-41-7	Beryllium	1.05	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-47-3	Chromium	10.1	D	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-50-8	Copper	101	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7439-92-1	Lead	2.00	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 10:59	SW7470A	
7440-02-0	Nickel	32.3	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-22-4	Silver	2.50	UDN	5	0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-62-2	Vanadium	190	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A
7440-66-6	Zinc	770	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:22	SW6020	3010A

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

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N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-08	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	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-38-2	Arsenic	2.00	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-39-3	Barium	117	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-41-7	Beryllium	0.95	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-47-3	Chromium	8.10	JD	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-50-8	Copper	150	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7439-92-1	Lead	1.35	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 11:01	SW7470A	
7440-02-0	Nickel	33.1	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-22-4	Silver	2.50	UDN5		0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-62-2	Vanadium	103	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	3010A
7440-66-6	Zinc	732	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:25	SW6020	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-10	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	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-38-2	Arsenic	2.50	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-39-3	Barium	122	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-41-7	Beryllium	0.95	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-47-3	Chromium	7.80	JD	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-50-8	Copper	100	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7439-92-1	Lead	1.55	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 11:03	SW7470A	
7440-02-0	Nickel	31.2	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-22-4	Silver	2.50	UDN5		0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-62-2	Vanadium	156	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	3010A
7440-66-6	Zinc	788	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:28	SW6020	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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-12	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	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-38-2	Arsenic	2.90	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-39-3	Barium	113	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-41-7	Beryllium	1.00	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-47-3	Chromium	16.8	D	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-50-8	Copper	109	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7439-92-1	Lead	2.10	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7439-97-6	Mercury	0.096	J	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 11:13	SW7470A	
7440-02-0	Nickel	40.2	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-22-4	Silver	2.50	UDN5		0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-62-2	Vanadium	237	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	3010A
7440-66-6	Zinc	819	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:31	SW6020	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

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-14	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	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-38-2	Arsenic	2.55	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-39-3	Barium	122	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-41-7	Beryllium	1.15	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-47-3	Chromium	10.8	D	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-50-8	Copper	118	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7439-92-1	Lead	2.20	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 11:15	SW7470A	
7440-02-0	Nickel	36.7	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-22-4	Silver	2.50	UDN	5	0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-62-2	Vanadium	224	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A
7440-66-6	Zinc	865	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:44	SW6020	3010A

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

U = Not Detected
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B = Analyte Found in Associated Method Blank
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N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-16	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	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-38-2	Arsenic	2.85	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-39-3	Barium	118	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-41-7	Beryllium	1.10	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-47-3	Chromium	10.3	D	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-50-8	Copper	102	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7439-92-1	Lead	1.80	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 11:18	SW7470A	
7440-02-0	Nickel	33.9	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-22-4	Silver	2.50	UDN	5	0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-62-2	Vanadium	188	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A
7440-66-6	Zinc	726	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:48	SW6020	3010A

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

U = Not Detected
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 Q = indicates LCS control criteria did not meet requirements

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 B = Analyte Found in Associated Method Blank
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 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-18	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	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-38-2	Arsenic	2.80	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-39-3	Barium	105	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-41-7	Beryllium	1.10	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-47-3	Chromium	12.9	D	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-50-8	Copper	115	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7439-92-1	Lead	2.00	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 11:20	SW7470A	
7440-02-0	Nickel	38.9	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-22-4	Silver	2.50	UDN	5	0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-62-2	Vanadium	233	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A
7440-66-6	Zinc	767	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:51	SW6020	3010A

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

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Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-20	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	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-38-2	Arsenic	2.80	JDN	5	0.45	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-39-3	Barium	116	D	5	1.50	6.25	50.0	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-41-7	Beryllium	1.30	JD	5	0.80	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-43-9	Cadmium	2.50	UD	5	1.50	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-47-3	Chromium	11.2	D	5	2.00	3.75	10.0	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-50-8	Copper	117	D	5	2.00	7.50	10.0	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7439-92-1	Lead	2.15	JD	5	0.55	3.75	5.00	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	02/24/25 07:20	02/24/25 11:22	SW7470A	
7440-02-0	Nickel	37.5	D	5	0.90	1.25	5.00	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7782-49-2	Selenium	22.5	UD	5	6.90	22.5	25.0	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-22-4	Silver	2.50	UDN5		0.39	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-28-0	Thallium	2.50	UD	5	0.43	2.50	5.00	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-62-2	Vanadium	231	D	5	0.36	1.25	25.0	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	3010A
7440-66-6	Zinc	769	D	5	2.80	7.50	25.0	ug/L	02/19/25 12:30	02/25/25 12:54	SW6020	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
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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

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/21/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-02	OU4-PCS-TC-01-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/21/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-04	OU4-PCS-TC-02-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/21/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-06	OU4-PCS-TC-03-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/21/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	

LAB CHRONICLE

Q1382-08	OU4-PCS-TC-04-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/21/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-10	OU4-PCS-TC-05-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/21/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-12	OU4-PCS-TC-06-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/21/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-14	OU4-PCS-TC-07-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-15	OU4-PCS-TC-08-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/21/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-16	OU4-PCS-TC-08-0217 25	Water			02/17/25		02/18/25

LAB CHRONICLE

Q1382-17	OU4-PCS-TC-09-0217 25	SOIL	SPLP Mercury	7470A	02/24/25	02/24/25	02/17/25	02/18/25
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		
Q1382-18	OU4-PCS-TC-09-0217 25	Water	Mercury	7471B	02/21/25	02/21/25	02/17/25	02/18/25
			Metals ICP-TAL	6010D	02/18/25	02/19/25		
Q1382-19	OU4-PCS-TC-10-0217 25	SOIL	SPLP Mercury	7470A	02/24/25	02/24/25	02/17/25	02/18/25
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		
Q1382-20	OU4-PCS-TC-10-0217 25	Water	Mercury	7471B	02/21/25	02/21/25	02/17/25	02/18/25
			Metals ICP-TAL	6010D	02/18/25	02/19/25		
			SPLP Mercury	7470A	02/24/25	02/24/25		
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25 08:30
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
		% Solid:	91.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.047	0.21	0.27	mg/Kg	02/19/25 08:15	02/19/25 13:27	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 08:35
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
		% Solid:	91.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.046	0.21	0.26	mg/Kg	02/19/25 08:15	02/19/25 13:27	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 08:40
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
		% Solid:	92.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.045	0.21	0.26	mg/Kg	02/19/25 08:15	02/19/25 13:34	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 08:45
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
		% Solid:	92.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.095	J	1	0.047	0.21	0.27	mg/Kg	02/19/25 08:15	02/19/25 13:34	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 08:50
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
		% Solid:	92

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.058	J	1	0.046	0.21	0.26	mg/Kg	02/19/25 08:15	02/19/25 13:34	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 08:55
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
		% Solid:	92.2

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.047	0.21	0.27	mg/Kg	02/19/25 08:15	02/19/25 13:34	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 09:00
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
		% Solid:	92.2

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.13	J	1	0.048	0.22	0.27	mg/Kg	02/19/25 08:15	02/19/25 13:34	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 09:05
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
		% Solid:	92.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.047	0.21	0.27	mg/Kg	02/19/25 08:15	02/19/25 13:34	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 09:10
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
		% Solid:	92.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.070	J	1	0.047	0.21	0.26	mg/Kg	02/19/25 08:15	02/19/25 13:34	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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:	02/17/25 09:15
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
		% Solid:	93.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.046	0.21	0.26	mg/Kg	02/19/25 08:15	02/19/25 13:34	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

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

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25 08:30			02/18/25
			Cyanide	9012B		02/19/25	02/19/25 13:27	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25 08:35			02/18/25
			Cyanide	9012B		02/19/25	02/19/25 13:27	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25 08:40			02/18/25
			Cyanide	9012B		02/19/25	02/19/25 13:34	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25 08:45			02/18/25
			Cyanide	9012B		02/19/25	02/19/25 13:34	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25 08:50			02/18/25
			Cyanide	9012B		02/19/25	02/19/25 13:34	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25 08:55			02/18/25
			Cyanide	9012B		02/19/25	02/19/25 13:34	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25 09:00			02/18/25
			Cyanide	9012B		02/19/25	02/19/25 13:34	

LAB CHRONICLE

Q1382-15	OU4-PCS-TC-08-0217 25	SOIL	02/17/25 09:05				02/18/25
			Cyanide	9012B	02/19/25	02/19/25 13:34	
Q1382-17	OU4-PCS-TC-09-0217 25	SOIL	02/17/25 09:10				02/18/25
			Cyanide	9012B	02/19/25	02/19/25 13:34	
Q1382-19	OU4-PCS-TC-10-0217 25	SOIL	02/17/25 09:15				02/18/25
			Cyanide	9012B	02/19/25	02/19/25 13:34	



SHIPPING DOCUMENTS

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4.01/08/2020

Page 1 of 2

Company Name: Nobis Group

Address: 55 Technology Dr Suite 101, Lowell, MA 01851

Phone: 978-703-6014

Project Name: Raymark

Project Location: Stratford, CT

Project Manager: Adam Roy

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By:

A. Brittingham

Con-Test Work Order#

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

COMP/GRAB

Matrix Code

Conc Code

VIALS

GLASS

PLASTIC

BACTERIA

ENCORE

RCP VOCs

% Solids

PAHs

Herbicides

Pesticides

PCBs

Metals ICP + Hg - 6010

Cyanide

SPLP RCP Metals - 6020

Total Number Of:

VIALS

GLASS

PLASTIC

BACTERIA

ENCORE

Glassware in the fridge?

Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

1 Matrix Codes:

GW = Ground Water

WW = Waste Water

DW = Drinking Water

A = Air

S = Soil

SL = Sludge

SOL = Solid

O = Other (please define)

2 Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium Bisulfate

X = Sodium Hydroxide

T = Sodium Thiosulfate

O = Other (please define)

3 Relinquished by: (signature)

Date/Time: 2/17/25 12:00

Received by: (signature)

Date/Time: 2-18-25 10:25

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Relinquished by: (signature)

Date/Time:

Received by: (signature)

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Date

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1382	NOBI03	Order Date : 2/18/2025 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 : 2/18/2025 10:25:00 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
Q1382-01	OU4-PCS-TC-01-021725	Solid	02/17/2025	08:30					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-03	OU4-PCS-TC-02-021725	Solid	02/17/2025	08:35					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-05	OU4-PCS-TC-03-021725	Solid	02/17/2025	08:40					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-07	OU4-PCS-TC-04-021725	Solid	02/17/2025	08:45					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-09	OU4-PCS-TC-05-021725	Solid	02/17/2025	08:50					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-11	OU4-PCS-TC-06-021725	Solid	02/17/2025	08:55					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-13	OU4-PCS-TC-07-021725	Solid	02/17/2025	09:00					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-15	OU4-PCS-TC-08-021725	Solid	02/17/2025	09:05					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1382 NOBI03

Order Date : 2/18/2025 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 : 2/18/2025 10:25:00 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
					VOCMS Group3		8260D		10 Bus. Days
Q1382-17	OU4-PCS-TC-09-021725	Solid	02/17/2025	09:10					
					VOCMS Group3		8260D		10 Bus. Days
Q1382-19	OU4-PCS-TC-10-021725	Solid	02/17/2025	09:15					
					VOCMS Group3		8260D		10 Bus. Days

Relinquished By :

Date / Time : 2-18-25 1245

Received By :

Date / Time : 02/18/25

Storage Area : VOA Refridgerator Room