

ANALYTICAL RESULTS SUMMARY

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

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2555

ATTENTION : Adam Roy



Laboratory Certification ID # 20012



1) Signature Page	3
2) Case Narrative	5
2.1) VOCMS Group3- Case Narrative	5
2.2) SVOCMS Group3- Case Narrative	7
2.3) Pesticide-TCL- Case Narrative	9
2.4) PCB- Case Narrative	11
2.5) Herbicide Group1- Case Narrative	13
2.6) Metals-SPLP- Case Narrative	15
2.7) Genchem- Case Narrative	17
3) Qualifier Page	18
4) QA Checklist	20
5) VOCMS Group3 Data	21
6) SVOCMS Group3 Data	30
7) Pesticide-TCL Data	37
8) PCB Data	48
9) Herbicide Group1 Data	53
10) Metals-SPLP Data	59
11) Genchem Data	64
12) Shipping Document	68
12.1) CHAIN OF CUSTODY	69
12.2) Lab Certificate	70
12.3) Internal COC	71

1
2
3
4
5
6
7
8
9
10
11
12



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): 07/10/25

Laboratory Sample ID(s): Q2555

List RCP Methods Used

(9012B, 8151A, 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (<6° C°)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: Alliance Technical group LLC

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

Cover Page

Order ID : Q2555

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q2555-01
Q2555-02
Q2555-03
Q2555-04

Client Sample Number

OU4-TS-29-070925
OU4-TS-29-070925
OU4-TS-30-070925
OU4-TS-30-070925

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: 7/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2555

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 07/10/2025.

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 MetalGroup2, SPLP MetalGroup3, SPLP MetalGroup4, SVOCMS Group3 and VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOCMS 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 met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

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

The %RSD is greater than 20% in the Initial Calibration method (82W063025S.M) for Methylene Chloride passing on Quadratic Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

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

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

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

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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

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

F. Manual Integration Comments:

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

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

Signature_____

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2555

Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 07/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested:

. This data package contains results for SVOCMS Group3(8270E).

C. Analytical Techniques:

SVOCMS Group3 : 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 were met for all analysis except following OU4-TS-29-070925 [Terphenyl-d14 - 30%], OU4-TS-30-070925 [Terphenyl-d14 - 34%], TP-17MS [Terphenyl-d14 - 42%] and TP-17MSD [Terphenyl-d14 - 42%]. One base surrogate is allowed to fail as per SOP, therefor no further corrective action was taken.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

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

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

The not QT review data is reported in the Miscellaneous.

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

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

F. Manual Integration Comments:

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

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

Signature_____

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2555

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 07/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for
OU4-TS-29-070925 [Decachlorobiphenyl(1)37%, Decachlorobiphenyl(2)41%],
OU4-TS-29-070925RE [Decachlorobiphenyl(1)40%, Decachlorobiphenyl(2)40%],
OU4-TS-30-070925 [Decachlorobiphenyl(1)34%, Decachlorobiphenyl(2)38%],
OU4-TS-30-070925RE [Decachlorobiphenyl(1)36% and Decachlorobiphenyl(2)35%] All
the failure samples in surrogates with both columns were reanalyzed to confirm the
results as per method and reported in the data.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



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

E. Additional Comments:

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

The not QT review data is reported in the Miscellaneous.

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

F. Manual Integration Comments:

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

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

Signature_____

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2555

Test Name: PCB

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 07/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested:
PCB. 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 were met for all analysis except for OU4-TS-29-070925 [Decachlorobiphenyl(1)54%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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:



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

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

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

Signature_____

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2555

Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 07/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Herbicide Group1. 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 um df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um 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 were met for all analysis except for OU4-TS-30-070925 [2,4-DCAA(1)25%] and OU4-TS-30-070925RE [2,4-DCAA(1)22%] the failure sample in surrogate was reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were met for all analysis.

The MS recoveries for {Q2529-10MS} with File ID: PS031145.D met requirements for all samples except for [2,4-DB(1)16% - 2,4-DB(2)16%], [Dalapon(1)19% - Dalapon(2)157%] and [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference.

The MSD {Q2529-10MSD} with File ID: PS031146.D recoveries met requirements for all samples except for [2,4-DB(1)18% - 2,4-DB(2)16%], [Dalapon(1)21% - Dalapon(2)163%] and [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

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

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

Signature_____



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

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2555

Test Name: SPLP Mercury,SPLP MetalGroup3

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 07/10/2025.

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 MetalGroup2, SPLP MetalGroup3, SPLP MetalGroup4, SVOCMS Group3 and VOCMS Group3. This data package contains results for SPLP Mercury,SPLP MetalGroup3.

C. Analytical Techniques:

The analysis of SPLP MetalGroup3 was based on method 6020B, digestion based on method 3010 (water). The analysis of SPLP Mercury was based on method 7470A and digestion was based on method 7470 (water).

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike (OU4-TS-29-070925MS) analysis met criteria for all compounds except for Barium, and Silver due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (OU4-TS-29-070925MSD) analysis met criteria for all compounds except for Barium, and Silver due to Chemical Interference during Digestion Process.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The Post Digest Spike (OU4-TS-29-070925A) analysis met criteria for all compounds except for Barium and Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

Q2555 SPLP all samples diluted 5X Straight due to SPLP fluid which cannot be injected as is without dilution to avoid damage to detector of instrument.

Internal standard 89Y(1) and 89Y(2) was outside qc limit for samples Q2555-02+QCs and Q2555-04 in Original so for these samples affected parameters are reported from its Dilution.

In analytical Sequence LB136601, The % Recovery Outside limit for Beryllium of ICV01, CCV01 and LLICV01 but, no any sample parameter affected under these calibration. Only Internal standard 89Y(1&2) affected parameters are reported from this analytical sequence.

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

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

Signature_____



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

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2555

Test Name: Cyanide

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 07/10/2025.

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 MetalGroup2, SPLP MetalGroup3, SPLP MetalGroup4, 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 parameters.

The Duplicate analysis met criteria for all parameters.

The Matrix Spike analysis met criteria for all parameters.

The Matrix Spike Duplicate analysis met criteria for all parameters.

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

The Calibration met the requirements.

E. Additional Comments:

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

Signature_____

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: <ol style="list-style-type: none"> (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 #: Q2555

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: 07/24/2025

Hit Summary Sheet
SW-846

SDG No.: Q2555

Client: Nobis Group

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

Client ID:

0

Total Voc :

Total Concentration:

A

B

C

D



SAMPLE DATA

Report of Analysis

Client:	Nobis Group		Date Collected:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	74.1	
Sample Wt/Vol:	4.35	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:	Date Analyzed	Prep Batch ID
VW031804.D	1	07/10/25 15:36	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0062	U	0.0018	0.0062	0.0078	mg/Kg
74-87-3	Chloromethane	0.0039	U	0.0018	0.0039	0.0078	mg/Kg
75-01-4	Vinyl Chloride	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
74-83-9	Bromomethane	0.0062	U	0.0017	0.0062	0.0078	mg/Kg
75-00-3	Chloroethane	0.0039	U	0.0020	0.0039	0.0078	mg/Kg
109-99-9	Tetrahydrofuran	0.019	U	0.0072	0.019	0.039	mg/Kg
75-69-4	Trichlorofluoromethane	0.0062	U	0.0019	0.0062	0.0078	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0039	U	0.0016	0.0039	0.0078	mg/Kg
75-35-4	1,1-Dichloroethene	0.0039	U	0.0016	0.0039	0.0078	mg/Kg
107-13-1	Acrylonitrile	0.019	U	0.0077	0.019	0.039	mg/Kg
67-64-1	Acetone	0.031	U	0.0074	0.031	0.039	mg/Kg
75-15-0	Carbon Disulfide	0.0062	U	0.0016	0.0062	0.0078	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0039	U	0.0011	0.0039	0.0078	mg/Kg
75-09-2	Methylene Chloride	0.012	U	0.0055	0.012	0.016	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0039	U	0.0013	0.0039	0.0078	mg/Kg
75-34-3	1,1-Dichloroethane	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
78-93-3	2-Butanone	0.031	U	0.010	0.031	0.039	mg/Kg
56-23-5	Carbon Tetrachloride	0.0039	U	0.0015	0.0039	0.0078	mg/Kg
594-20-7	2,2-Dichloropropane	0.0062	U	0.0020	0.0062	0.0078	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
67-66-3	Chloroform	0.0062	U	0.0013	0.0062	0.0078	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0039	U	0.0014	0.0039	0.0078	mg/Kg
563-58-6	1,1-Dichloropropene	0.0039	U	0.0013	0.0039	0.0078	mg/Kg
71-43-2	Benzene	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
107-06-2	1,2-Dichloroethane	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
79-01-6	Trichloroethene	0.0039	U	0.0013	0.0039	0.0078	mg/Kg
78-87-5	1,2-Dichloropropane	0.0039	U	0.0014	0.0039	0.0078	mg/Kg
74-95-3	Dibromomethane	0.0039	U	0.0014	0.0039	0.0078	mg/Kg
75-27-4	Bromodichloromethane	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.019	U	0.0056	0.019	0.039	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	74.1	
Sample Wt/Vol:	4.35	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:	Date Analyzed	Prep Batch ID
VW031804.D	1	07/10/25 15:36	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0039	U	0.0010	0.0039	0.0078	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0039	U	0.00096	0.0039	0.0078	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0039	U	0.0014	0.0039	0.0078	mg/Kg
142-28-9	1,3-Dichloropropane	0.0039	U	0.0011	0.0039	0.0078	mg/Kg
591-78-6	2-Hexanone	0.019	U	0.0057	0.019	0.039	mg/Kg
124-48-1	Dibromochloromethane	0.0039	U	0.0013	0.0039	0.0078	mg/Kg
106-93-4	1,2-Dibromoethane	0.0039	U	0.0014	0.0039	0.0078	mg/Kg
127-18-4	Tetrachloroethene	0.0039	U	0.0016	0.0039	0.0078	mg/Kg
108-90-7	Chlorobenzene	0.0039	U	0.0014	0.0039	0.0078	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
100-41-4	Ethyl Benzene	0.0039	U	0.0010	0.0039	0.0078	mg/Kg
1330-20-7	Total Xylenes	0.012	U	0.0032	0.012	0.023	mg/Kg
179601-23-1	m/p-Xylenes	0.0078	U	0.0019	0.0078	0.016	mg/Kg
95-47-6	o-Xylene	0.0039	U	0.0013	0.0039	0.0078	mg/Kg
100-42-5	Styrene	0.0039	U	0.0011	0.0039	0.0078	mg/Kg
75-25-2	Bromoform	0.0039	U	0.0013	0.0039	0.0078	mg/Kg
98-82-8	Isopropylbenzene	0.0039	U	0.0012	0.0039	0.0078	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0039	U	0.0019	0.0039	0.0078	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0062	U	0.0019	0.0062	0.0078	mg/Kg
108-86-1	Bromobenzene	0.0039	U	0.0019	0.0039	0.0078	mg/Kg
103-65-1	n-propylbenzene	0.0039	U	0.0011	0.0039	0.0078	mg/Kg
95-49-8	2-Chlorotoluene	0.0039	U	0.0011	0.0039	0.0078	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0039	U	0.0013	0.0039	0.0078	mg/Kg
106-43-4	4-Chlorotoluene	0.0039	U	0.0019	0.0039	0.0078	mg/Kg
98-06-6	tert-Butylbenzene	0.0039	U	0.0010	0.0039	0.0078	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0039	U	0.00099	0.0039	0.0078	mg/Kg
135-98-8	sec-Butylbenzene	0.0039	U	0.0010	0.0039	0.0078	mg/Kg
99-87-6	p-Isopropyltoluene	0.0039	U	0.00096	0.0039	0.0078	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0039	U	0.0027	0.0039	0.0078	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0039	U	0.0024	0.0039	0.0078	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	74.1	
Sample Wt/Vol:	4.35	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:	Date Analyzed	Prep Batch ID
VW031804.D	1	07/10/25 15:36	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0039	U	0.0022	0.0039	0.0078	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0039	U	0.0022	0.0039	0.0078	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0062	U	0.0029	0.0062	0.0078	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0062	U	0.0046	0.0062	0.0078	mg/Kg
87-68-3	Hexachlorobutadiene	0.0039	U	0.0029	0.0039	0.0078	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0062	U	0.0049	0.0062	0.0078	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0039	U	0.0016	0.0039	0.0078	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.1		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		78 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	45.3		85 - 116		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		79 - 119		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	7.965				
540-36-3	1,4-Difluorobenzene	358000	8.849				
3114-55-4	Chlorobenzene-d5	316000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	138000	13.556				

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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.6
Sample Wt/Vol:	4.3 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:	Date Analyzed	Prep Batch ID
VW031805.D	1	07/10/25 15:58	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0061	U	0.0017	0.0061	0.0076	mg/Kg
74-87-3	Chloromethane	0.0038	U	0.0017	0.0038	0.0076	mg/Kg
75-01-4	Vinyl Chloride	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
74-83-9	Bromomethane	0.0061	U	0.0016	0.0061	0.0076	mg/Kg
75-00-3	Chloroethane	0.0038	U	0.0019	0.0038	0.0076	mg/Kg
109-99-9	Tetrahydrofuran	0.019	U	0.0071	0.019	0.038	mg/Kg
75-69-4	Trichlorofluoromethane	0.0061	U	0.0018	0.0061	0.0076	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0038	U	0.0016	0.0038	0.0076	mg/Kg
75-35-4	1,1-Dichloroethene	0.0038	U	0.0015	0.0038	0.0076	mg/Kg
107-13-1	Acrylonitrile	0.019	U	0.0076	0.019	0.038	mg/Kg
67-64-1	Acetone	0.030	U	0.0072	0.030	0.038	mg/Kg
75-15-0	Carbon Disulfide	0.0061	U	0.0016	0.0061	0.0076	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0038	U	0.0011	0.0038	0.0076	mg/Kg
75-09-2	Methylene Chloride	0.012	U	0.0054	0.012	0.015	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
75-34-3	1,1-Dichloroethane	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
78-93-3	2-Butanone	0.030	U	0.0099	0.030	0.038	mg/Kg
56-23-5	Carbon Tetrachloride	0.0038	U	0.0015	0.0038	0.0076	mg/Kg
594-20-7	2,2-Dichloropropane	0.0061	U	0.0019	0.0061	0.0076	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0038	U	0.0011	0.0038	0.0076	mg/Kg
67-66-3	Chloroform	0.0061	U	0.0013	0.0061	0.0076	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
563-58-6	1,1-Dichloropropene	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
71-43-2	Benzene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
107-06-2	1,2-Dichloroethane	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
79-01-6	Trichloroethene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
78-87-5	1,2-Dichloropropane	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
74-95-3	Dibromomethane	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
75-27-4	Bromodichloromethane	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.019	U	0.0054	0.019	0.038	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-30-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	76.6	
Sample Wt/Vol:	4.3	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:	Date Analyzed	Prep Batch ID
VW031805.D	1	07/10/25 15:58	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0038	U	0.00099	0.0038	0.0076	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0038	U	0.00094	0.0038	0.0076	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
142-28-9	1,3-Dichloropropane	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
591-78-6	2-Hexanone	0.019	U	0.0056	0.019	0.038	mg/Kg
124-48-1	Dibromochloromethane	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
106-93-4	1,2-Dibromoethane	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
127-18-4	Tetrachloroethene	0.0038	U	0.0016	0.0038	0.0076	mg/Kg
108-90-7	Chlorobenzene	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
100-41-4	Ethyl Benzene	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
1330-20-7	Total Xylenes	0.011	U	0.0031	0.011	0.023	mg/Kg
179601-23-1	m/p-Xylenes	0.0076	U	0.0019	0.0076	0.015	mg/Kg
95-47-6	o-Xylene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
100-42-5	Styrene	0.0038	U	0.0011	0.0038	0.0076	mg/Kg
75-25-2	Bromoform	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
98-82-8	Isopropylbenzene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0038	U	0.0018	0.0038	0.0076	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0061	U	0.0019	0.0061	0.0076	mg/Kg
108-86-1	Bromobenzene	0.0038	U	0.0018	0.0038	0.0076	mg/Kg
103-65-1	n-propylbenzene	0.0038	U	0.0011	0.0038	0.0076	mg/Kg
95-49-8	2-Chlorotoluene	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
106-43-4	4-Chlorotoluene	0.0038	U	0.0019	0.0038	0.0076	mg/Kg
98-06-6	tert-Butylbenzene	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0038	U	0.00097	0.0038	0.0076	mg/Kg
135-98-8	sec-Butylbenzene	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
99-87-6	p-Isopropyltoluene	0.0038	U	0.00094	0.0038	0.0076	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0038	U	0.0026	0.0038	0.0076	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0038	U	0.0024	0.0038	0.0076	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-30-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	76.6	
Sample Wt/Vol:	4.3	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:	Date Analyzed	Prep Batch ID
VW031805.D	1	07/10/25 15:58	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0038	U	0.0022	0.0038	0.0076	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0038	U	0.0022	0.0038	0.0076	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0061	U	0.0028	0.0061	0.0076	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0061	U	0.0045	0.0061	0.0076	mg/Kg
87-68-3	Hexachlorobutadiene	0.0038	U	0.0029	0.0038	0.0076	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0061	U	0.0048	0.0061	0.0076	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0038	U	0.0016	0.0038	0.0076	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		71 - 136		110%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		78 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	45.9		85 - 116		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		79 - 119		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	7.965				
540-36-3	1,4-Difluorobenzene	357000	8.855				
3114-55-4	Chlorobenzene-d5	319000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.556				

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:	Q2555	OrderDate:	7/10/2025 10:17:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	OU4-TS-29-070925	SOIL	VOCMS Group3	8260D	07/09/25		07/10/25	07/10/25
Q2555-03	OU4-TS-30-070925	SOIL	VOCMS Group3	8260D	07/09/25		07/10/25	07/10/25

Hit Summary Sheet SW-846

SDG No.: Q2555

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-29-070925									
Q2555-01	OU4-TS-29-070925	SOIL	Fluoranthene	0.110	J	0.040	0.18	0.23	mg/Kg
Q2555-01	OU4-TS-29-070925	SOIL	Benzo(b)fluoranthene	0.140	J	0.026	0.18	0.23	mg/Kg
Total Svoc :				0.25					
Total Concentration:				0.25					
Client ID : OU4-TS-30-070925									
Q2555-03	OU4-TS-30-070925	SOIL	Fluoranthene	0.130	J	0.039	0.17	0.22	mg/Kg
Q2555-03	OU4-TS-30-070925	SOIL	Benzo(b)fluoranthene	0.110	J	0.025	0.17	0.22	mg/Kg
Total Svoc :				0.24					
Total Concentration:				0.24					



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	74.1
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
BF143133.D	1	07/11/25 09:50	07/17/25 03:32	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.18	U	0.031	0.18	0.23	mg/Kg
91-57-6	2-Methylnaphthalene	0.18	U	0.035	0.18	0.23	mg/Kg
208-96-8	Acenaphthylene	0.18	U	0.039	0.18	0.23	mg/Kg
83-32-9	Acenaphthene	0.18	U	0.029	0.18	0.23	mg/Kg
86-73-7	Fluorene	0.18	U	0.034	0.18	0.23	mg/Kg
85-01-8	Phenanthrene	0.18	U	0.028	0.18	0.23	mg/Kg
120-12-7	Anthracene	0.18	U	0.045	0.18	0.23	mg/Kg
206-44-0	Fluoranthene	0.11	J	0.040	0.18	0.23	mg/Kg
129-00-0	Pyrene	0.18	U	0.049	0.18	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	0.18	U	0.031	0.18	0.23	mg/Kg
218-01-9	Chrysene	0.18	U	0.027	0.18	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	J	0.026	0.18	0.23	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.18	U	0.030	0.18	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	0.18	U	0.040	0.18	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.18	U	0.039	0.18	0.23	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.18	U	0.037	0.18	0.23	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.18	U	0.035	0.18	0.23	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	54.1		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.8		44 - 115		49%	SPK: 100
1718-51-0	Terphenyl-d14	29.6	*	54 - 127		30%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148000		6.969			
1146-65-2	Naphthalene-d8	532000		8.245			
15067-26-2	Acenaphthene-d10	234000		10.004			
1517-22-2	Phenanthrene-d10	324000		11.486			
1719-03-5	Chrysene-d12	294000		14.127			
1520-96-3	Perylene-d12	265000		15.633			

TENTATIVE IDENTIFIED COMPOUNDS

Q2555

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	74.1
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
BF143133.D	1	07/11/25 09:50	07/17/25 03:32	PB168813

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.6
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
BF143135.D	1	07/11/25 09:50	07/17/25 04:31	PB168813

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

TARGETS

91-20-3	Naphthalene	0.17	U	0.030	0.17	0.22	mg/Kg
91-57-6	2-Methylnaphthalene	0.17	U	0.033	0.17	0.22	mg/Kg
208-96-8	Acenaphthylene	0.17	U	0.038	0.17	0.22	mg/Kg
83-32-9	Acenaphthene	0.17	U	0.028	0.17	0.22	mg/Kg
86-73-7	Fluorene	0.17	U	0.033	0.17	0.22	mg/Kg
85-01-8	Phenanthrene	0.17	U	0.027	0.17	0.22	mg/Kg
120-12-7	Anthracene	0.17	U	0.043	0.17	0.22	mg/Kg
206-44-0	Fluoranthene	0.13	J	0.039	0.17	0.22	mg/Kg
129-00-0	Pyrene	0.17	U	0.047	0.17	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	0.17	U	0.030	0.17	0.22	mg/Kg
218-01-9	Chrysene	0.17	U	0.026	0.17	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.11	J	0.025	0.17	0.22	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.17	U	0.029	0.17	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.17	U	0.038	0.17	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.17	U	0.038	0.17	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.17	U	0.036	0.17	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.17	U	0.034	0.17	0.22	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	54.6		37 - 122	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		44 - 115	52%	SPK: 100
1718-51-0	Terphenyl-d14	34.1	*	54 - 127	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	145000	6.969
1146-65-2	Naphthalene-d8	504000	8.245
15067-26-2	Acenaphthene-d10	212000	10.004
1517-22-2	Phenanthrene-d10	313000	11.486
1719-03-5	Chrysene-d12	293000	14.127
1520-96-3	Perylene-d12	230000	15.633

TENTATIVE IDENTIFIED COMPOUNDS

Q2555

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.6
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
BF143135.D	1	07/11/25 09:50	07/17/25 04:31	PB168813

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	Q2555	OrderDate:	7/10/2025 10:17:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	OU4-TS-29-070925	SOIL			07/09/25			07/10/25
			SVOCMS Group3	8270E		07/11/25	07/17/25	
Q2555-03	OU4-TS-30-070925	SOIL			07/09/25			07/10/25
			SVOCMS Group3	8270E		07/11/25	07/17/25	

Hit Summary Sheet SW-846

SDG No.: Q2555

Order ID: Q2555

Client: Nobis Group

Project ID: Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-29-070925									
Q2555-01	OU4-TS-29-070925	SOIL	4,4-DDE	0.0010	JP	0.00019	0.00044	0.0023	mg/Kg
Q2555-01	OU4-TS-29-070925	SOIL	4,4-DDT	0.00060	JP	0.00019	0.00044	0.0023	mg/Kg
Q2555-01	OU4-TS-29-070925	SOIL	alpha-Chlordane	0.0021	J	0.00016	0.00044	0.0023	mg/Kg
Total Concentration:				0.00370					
Client ID : OU4-TS-29-070925RE									
Q2555-01RE	OU4-TS-29-070925RI	SOIL	4,4-DDE	0.00062	J	0.00019	0.00044	0.0023	mg/Kg
Q2555-01RE	OU4-TS-29-070925RI	SOIL	4,4-DDT	0.00053	JP	0.00019	0.00044	0.0023	mg/Kg
Q2555-01RE	OU4-TS-29-070925RI	SOIL	alpha-Chlordane	0.0021	J	0.00016	0.00044	0.0023	mg/Kg
Total Concentration:				0.00325					
Client ID : OU4-TS-30-070925									
Q2555-03	OU4-TS-30-070925	SOIL	4,4-DDE	0.00077	J	0.00018	0.00043	0.0022	mg/Kg
Q2555-03	OU4-TS-30-070925	SOIL	4,4-DDT	0.00056	JP	0.00018	0.00043	0.0022	mg/Kg
Q2555-03	OU4-TS-30-070925	SOIL	alpha-Chlordane	0.0027		0.00016	0.00043	0.0022	mg/Kg
Q2555-03	OU4-TS-30-070925	SOIL	gamma-Chlordane	0.0016	J	0.00020	0.00043	0.0022	mg/Kg
Total Concentration:				0.00563					
Client ID : OU4-TS-30-070925RE									
Q2555-03RE	OU4-TS-30-070925RI	SOIL	4,4-DDE	0.00063	J	0.00018	0.00043	0.0022	mg/Kg
Q2555-03RE	OU4-TS-30-070925RI	SOIL	4,4-DDT	0.00054	JP	0.00018	0.00043	0.0022	mg/Kg
Q2555-03RE	OU4-TS-30-070925RI	SOIL	alpha-Chlordane	0.0026		0.00016	0.00043	0.0022	mg/Kg
Q2555-03RE	OU4-TS-30-070925RI	SOIL	gamma-Chlordane	0.0016	J	0.00020	0.00043	0.0022	mg/Kg
Total Concentration:				0.00537					



SAMPLE DATA

Report of Analysis

Client:	Nobis Group		Date Collected:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	74.1	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
PD089485.D	1	07/11/25 08:20	07/14/25 19:01	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00044	U	0.00018	0.00044	0.0023	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00024	0.0011	0.0023	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00053	0.0011	0.0023	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
76-44-8	Heptachlor	0.00044	U	0.00016	0.00044	0.0023	mg/Kg
309-00-2	Aldrin	0.00044	U	0.00016	0.00044	0.0023	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00026	0.0011	0.0023	mg/Kg
959-98-8	Endosulfan I	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
60-57-1	Dieldrin	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
72-55-9	4,4-DDE	0.0010	JP	0.00019	0.00044	0.0023	mg/Kg
72-20-8	Endrin	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00039	0.0011	0.0023	mg/Kg
72-54-8	4,4-DDD	0.00044	U	0.00020	0.00044	0.0023	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00044	U	0.00018	0.00044	0.0023	mg/Kg
50-29-3	4,4-DDT	0.00060	JP	0.00019	0.00044	0.0023	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00050	0.0011	0.0023	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00026	0.0011	0.0023	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00050	0.0011	0.0023	mg/Kg
5103-71-9	alpha-Chlordane	0.0021	J	0.00016	0.00044	0.0023	mg/Kg
5103-74-2	gamma-Chlordane	0.00044	U	0.00020	0.00044	0.0023	mg/Kg
8001-35-2	Toxaphene	0.023	U	0.0073	0.023	0.044	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.29	*	55 - 130		41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.5		42 - 129		67%	SPK: 20

Report of Analysis

Client:	Nobis Group			Date Collected:	07/09/25	
Project:	Raymark Superfund Site			Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925			SDG No.:	Q2555	
Lab Sample ID:	Q2555-01			Matrix:	SOIL	
Analytical Method:	8081B			% Solid:	74.1	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
PD089485.D	1	07/11/25 08:20	07/14/25 19:01	PB168810

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

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:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925RE		SDG No.:	Q2555	
Lab Sample ID:	Q2555-01RE		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	74.1	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
PD089604.D	1	07/11/25 08:20	07/23/25 16:54	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00044	U	0.00018	0.00044	0.0023	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00024	0.0011	0.0023	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00053	0.0011	0.0023	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
76-44-8	Heptachlor	0.00044	U	0.00016	0.00044	0.0023	mg/Kg
309-00-2	Aldrin	0.00044	U	0.00016	0.00044	0.0023	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00026	0.0011	0.0023	mg/Kg
959-98-8	Endosulfan I	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
60-57-1	Dieldrin	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
72-55-9	4,4-DDE	0.00062	J	0.00019	0.00044	0.0023	mg/Kg
72-20-8	Endrin	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00039	0.0011	0.0023	mg/Kg
72-54-8	4,4-DDD	0.00044	U	0.00020	0.00044	0.0023	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00044	U	0.00018	0.00044	0.0023	mg/Kg
50-29-3	4,4-DDT	0.00053	JP	0.00019	0.00044	0.0023	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00050	0.0011	0.0023	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00026	0.0011	0.0023	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00050	0.0011	0.0023	mg/Kg
5103-71-9	alpha-Chlordane	0.0021	J	0.00016	0.00044	0.0023	mg/Kg
5103-74-2	gamma-Chlordane	0.00044	U	0.00020	0.00044	0.0023	mg/Kg
8001-35-2	Toxaphene	0.023	U	0.0073	0.023	0.044	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.01	*	55 - 130		40%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.9		42 - 129		64%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925RE		SDG No.:	Q2555	
Lab Sample ID:	Q2555-01RE		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	74.1	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
PD089604.D	1	07/11/25 08:20	07/23/25 16:54	PB168810

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

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:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-30-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	76.6	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
PD089486.D	1	07/11/25 08:20	07/14/25 19:14	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00023	0.0011	0.0022	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00051	0.0011	0.0022	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
76-44-8	Heptachlor	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
309-00-2	Aldrin	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
959-98-8	Endosulfan I	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
60-57-1	Dieldrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
72-55-9	4,4-DDE	0.00077	J	0.00018	0.00043	0.0022	mg/Kg
72-20-8	Endrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00038	0.0011	0.0022	mg/Kg
72-54-8	4,4-DDD	0.00043	U	0.00020	0.00043	0.0022	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
50-29-3	4,4-DDT	0.00056	JP	0.00018	0.00043	0.0022	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
5103-71-9	alpha-Chlordane	0.0027		0.00016	0.00043	0.0022	mg/Kg
5103-74-2	gamma-Chlordane	0.0016	J	0.00020	0.00043	0.0022	mg/Kg
8001-35-2	Toxaphene	0.022	U	0.0071	0.022	0.043	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	7.60	*	55 - 130		38%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.1		42 - 129		50%	SPK: 20

Report of Analysis

Client:	Nobis Group			Date Collected:	07/09/25		
Project:	Raymark Superfund Site			Date Received:	07/10/25		
Client Sample ID:	OU4-TS-30-070925			SDG No.:	Q2555		
Lab Sample ID:	Q2555-03			Matrix:	SOIL		
Analytical Method:	8081B			% Solid:	76.6		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
PD089486.D	1	07/11/25 08:20	07/14/25 19:14	PB168810

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

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:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-30-070925RE		SDG No.:	Q2555	
Lab Sample ID:	Q2555-03RE		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	76.6	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
PD089605.D	1	07/11/25 08:20	07/23/25 17:08	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00023	0.0011	0.0022	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00051	0.0011	0.0022	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
76-44-8	Heptachlor	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
309-00-2	Aldrin	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
959-98-8	Endosulfan I	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
60-57-1	Dieldrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
72-55-9	4,4-DDE	0.00063	J	0.00018	0.00043	0.0022	mg/Kg
72-20-8	Endrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00038	0.0011	0.0022	mg/Kg
72-54-8	4,4-DDD	0.00043	U	0.00020	0.00043	0.0022	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
50-29-3	4,4-DDT	0.00054	JP	0.00018	0.00043	0.0022	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
5103-71-9	alpha-Chlordane	0.0026		0.00016	0.00043	0.0022	mg/Kg
5103-74-2	gamma-Chlordane	0.0016	J	0.00020	0.00043	0.0022	mg/Kg
8001-35-2	Toxaphene	0.022	U	0.0071	0.022	0.043	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	7.16	*	55 - 130		36%	SPK: 20
877-09-8	Tetrachloro-m-xylene	8.80		42 - 129		44%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-30-070925RE		SDG No.:	Q2555	
Lab Sample ID:	Q2555-03RE		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	76.6	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
PD089605.D	1	07/11/25 08:20	07/23/25 17:08	PB168810

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

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:	Q2555	OrderDate:	7/10/2025 10:17:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	OU4-TS-29-070925	SOIL			07/09/25			07/10/25
			Herbicide Group1	8151A		07/11/25	07/22/25	
			PCB	8082A		07/11/25	07/11/25	
			Pesticide-TCL	8081B		07/11/25	07/14/25	
Q2555-01RE	OU4-TS-29-070925RE	SOIL			07/09/25			07/10/25
			Pesticide-TCL	8081B		07/11/25	07/23/25	
Q2555-03	OU4-TS-30-070925	SOIL			07/09/25			07/10/25
			Herbicide Group1	8151A		07/11/25	07/19/25	
			PCB	8082A		07/11/25	07/14/25	
			Pesticide-TCL	8081B		07/11/25	07/14/25	
Q2555-03RE	OU4-TS-30-070925RE	SOIL			07/09/25			07/10/25
			Herbicide Group1	8151A		07/11/25	07/22/25	
			Pesticide-TCL	8081B		07/11/25	07/23/25	

Hit Summary Sheet
SW-846

A

B

C

D

SDG No.:	Q2555	Order ID:	Q2555
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:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-01		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	74.1	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
PP073719.D	1	07/11/25 08:20	07/11/25 13:43	PB168809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	11.2	U	5.30	11.2	22.9	ug/kg
11104-28-2	Aroclor-1221	17.5	U	5.40	17.5	22.9	ug/kg
11141-16-5	Aroclor-1232	11.2	U	5.00	11.2	22.9	ug/kg
53469-21-9	Aroclor-1242	11.2	U	5.40	11.2	22.9	ug/kg
12672-29-6	Aroclor-1248	17.5	U	8.00	17.5	22.9	ug/kg
11097-69-1	Aroclor-1254	11.2	U	4.30	11.2	22.9	ug/kg
37324-23-5	Aroclor-1262	17.5	U	6.80	17.5	22.9	ug/kg
11100-14-4	Aroclor-1268	11.2	U	4.80	11.2	22.9	ug/kg
11096-82-5	Aroclor-1260	11.2	U	4.30	11.2	22.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.8		44 - 130		109%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.3		60 - 125		62%	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:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-30-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-03		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	76.6	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
PP073760.D	1	07/11/25 08:20	07/14/25 11:16	PB168809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	10.8	U	5.10	10.8	22.2	ug/kg
11104-28-2	Aroclor-1221	16.9	U	5.30	16.9	22.2	ug/kg
11141-16-5	Aroclor-1232	10.8	U	4.80	10.8	22.2	ug/kg
53469-21-9	Aroclor-1242	10.8	U	5.20	10.8	22.2	ug/kg
12672-29-6	Aroclor-1248	16.9	U	7.70	16.9	22.2	ug/kg
11097-69-1	Aroclor-1254	10.8	U	4.20	10.8	22.2	ug/kg
37324-23-5	Aroclor-1262	16.9	U	6.50	16.9	22.2	ug/kg
11100-14-4	Aroclor-1268	10.8	U	4.70	10.8	22.2	ug/kg
11096-82-5	Aroclor-1260	10.8	U	4.20	10.8	22.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.7		44 - 130		94%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 125		88%	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

LAB CHRONICLE

OrderID:	Q2555	OrderDate:	7/10/2025 10:17:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	OU4-TS-29-070925	SOIL	PCB	8082A	07/09/25	07/11/25	07/11/25	07/10/25
Q2555-03	OU4-TS-30-070925	SOIL	PCB	8082A	07/09/25	07/11/25	07/14/25	07/10/25



Hit Summary Sheet
SW-846

A

B

C

D

SDG No.:	Q2555	Order ID:	Q2555
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:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-29-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-01		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	74.1	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
PS031175.D	1	07/11/25 08:50	07/22/25 14:12	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.044	U	0.010	0.044	0.090	mg/Kg
75-99-0	DALAPON	0.067	U	0.024	0.067	0.090	mg/Kg
120-36-5	DICHLORPROP	0.044	U	0.017	0.044	0.090	mg/Kg
94-75-7	2,4-D	0.044	U	0.012	0.044	0.090	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.044	U	0.012	0.044	0.090	mg/Kg
93-76-5	2,4,5-T	0.044	U	0.012	0.044	0.090	mg/Kg
94-82-6	2,4-DB	0.044	U	0.033	0.044	0.090	mg/Kg
88-85-7	DINOSEB	0.044	U	0.015	0.044	0.090	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	217		27 - 122		43%	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:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-30-070925		SDG No.:	Q2555	
Lab Sample ID:	Q2555-03		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	76.6	Decanted:
Sample Wt/Vol:	30.08	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
PS031152.D	1	07/11/25 08:50	07/19/25 00:35	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.043	U	0.010	0.043	0.087	mg/Kg
75-99-0	DALAPON	0.065	U	0.023	0.065	0.087	mg/Kg
120-36-5	DICHLORPROP	0.043	U	0.017	0.043	0.087	mg/Kg
94-75-7	2,4-D	0.043	U	0.012	0.043	0.087	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.043	U	0.012	0.043	0.087	mg/Kg
93-76-5	2,4,5-T	0.043	U	0.011	0.043	0.087	mg/Kg
94-82-6	2,4-DB	0.043	U	0.032	0.043	0.087	mg/Kg
88-85-7	DINOSEB	0.043	U	0.014	0.043	0.087	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	158		27 - 122		32%	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:	07/09/25	
Project:	Raymark Superfund Site		Date Received:	07/10/25	
Client Sample ID:	OU4-TS-30-070925RE		SDG No.:	Q2555	
Lab Sample ID:	Q2555-03RE		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	76.6	Decanted:
Sample Wt/Vol:	30.08	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
PS031174.D	1	07/11/25 08:50	07/22/25 13:48	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.043	U	0.010	0.043	0.087	mg/Kg
75-99-0	DALAPON	0.065	U	0.023	0.065	0.087	mg/Kg
120-36-5	DICHLORPROP	0.043	U	0.017	0.043	0.087	mg/Kg
94-75-7	2,4-D	0.043	U	0.012	0.043	0.087	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.043	U	0.012	0.043	0.087	mg/Kg
93-76-5	2,4,5-T	0.043	U	0.011	0.043	0.087	mg/Kg
94-82-6	2,4-DB	0.043	U	0.032	0.043	0.087	mg/Kg
88-85-7	DINOSEB	0.043	U	0.014	0.043	0.087	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	147		27 - 122		29%	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:	Q2555	OrderDate:	7/10/2025 10:17:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	OU4-TS-29-070925	SOIL			07/09/25			07/10/25
			Herbicide Group1	8151A		07/11/25	07/22/25	
			PCB	8082A		07/11/25	07/11/25	
Q2555-03	OU4-TS-30-070925	SOIL			07/09/25			07/10/25
			Herbicide Group1	8151A		07/11/25	07/19/25	
			PCB	8082A		07/11/25	07/14/25	
Q2555-03RE	OU4-TS-30-070925RE	SOIL			07/09/25			07/10/25
			Herbicide Group1	8151A		07/11/25	07/22/25	

Hit Summary Sheet SW-846

SDG No.: Q2555 **Order ID:** Q2555
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-29-070925									
Q2555-02	OU4-TS-29-070925	Water	Arsenic	127	D	8.90	25.0	100	ug/L
Q2555-02	OU4-TS-29-070925	Water	Barium	120	D	1.05	6.25	50.0	ug/L
Q2555-02	OU4-TS-29-070925	Water	Beryllium	16.6	D	1.60	3.75	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Cadmium	9.60	D	1.70	2.50	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Chromium	53.3	D	1.05	3.75	10.0	ug/L
Q2555-02	OU4-TS-29-070925	Water	Copper	442	D	1.50	7.50	10.0	ug/L
Q2555-02	OU4-TS-29-070925	Water	Lead	81.4	D	1.05	3.75	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Nickel	217	D	1.35	3.75	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Silver	0.45	JD	0.30	2.50	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Thallium	0.40	JD	0.30	2.50	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Vanadium	129	D	0.39	1.25	25.0	ug/L
Q2555-02	OU4-TS-29-070925	Water	Zinc	1670	D	6.25	7.50	25.0	ug/L
Client ID : OU4-TS-30-070925									
Q2555-04	OU4-TS-30-070925	Water	Arsenic	53.0	D	4.45	12.5	50.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Barium	109	D	1.05	6.25	50.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Beryllium	17.7	D	1.60	3.75	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Cadmium	10.8	D	1.70	2.50	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Chromium	54.7	D	1.05	3.75	10.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Copper	468	D	1.50	7.50	10.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Lead	75.4	D	1.05	3.75	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Nickel	238	D	1.35	3.75	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Silver	0.50	JD	0.30	2.50	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Thallium	0.35	JD	0.30	2.50	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Vanadium	133	D	0.39	1.25	25.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Zinc	1630	D	6.25	7.50	25.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-02	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	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-38-2	Arsenic	127	D	100	8.90	25.0	100	ug/L	07/15/25 12:32	07/24/25 12:04	6020B	3010A
7440-39-3	Barium	120	DN	5	1.05	6.25	50.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-41-7	Beryllium	16.6	D	5	1.60	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-43-9	Cadmium	9.60	D	5	1.70	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-47-3	Chromium	53.3	D	5	1.05	3.75	10.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-50-8	Copper	442	D	5	1.50	7.50	10.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7439-92-1	Lead	81.4	D	5	1.05	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	07/15/25 08:35	07/15/25 13:34	7470A	
7440-02-0	Nickel	217	D	5	1.35	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7782-49-2	Selenium	450	UD	100	290	450	500	ug/L	07/15/25 12:32	07/24/25 12:04	6020B	3010A
7440-22-4	Silver	0.45	JDN	5	0.30	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-28-0	Thallium	0.40	JD	5	0.30	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-62-2	Vanadium	129	D	5	0.39	1.25	25.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-66-6	Zinc	1670	D	5	6.25	7.50	25.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A

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

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-04	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	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-38-2	Arsenic	53.0	D	50	4.45	12.5	50.0	ug/L	07/15/25 12:32	07/24/25 12:24	6020B	3010A
7440-39-3	Barium	109	DN	5	1.05	6.25	50.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-41-7	Beryllium	17.7	D	5	1.60	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-43-9	Cadmium	10.8	D	5	1.70	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-47-3	Chromium	54.7	D	5	1.05	3.75	10.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-50-8	Copper	468	D	5	1.50	7.50	10.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7439-92-1	Lead	75.4	D	5	1.05	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	07/15/25 08:35	07/15/25 13:50	7470A	
7440-02-0	Nickel	238	D	5	1.35	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7782-49-2	Selenium	225	UD	50	145	225	250	ug/L	07/15/25 12:32	07/24/25 12:24	6020B	3010A
7440-22-4	Silver	0.50	JDN	5	0.30	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-28-0	Thallium	0.35	JD	5	0.30	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-62-2	Vanadium	133	D	5	0.39	1.25	25.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-66-6	Zinc	1630	D	5	6.25	7.50	25.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q2555	OrderDate:	7/10/2025 10:17:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-02	OU4-TS-29-070925	Water			07/09/25			07/10/25
			SPLP Mercury	7470A		07/15/25	07/15/25	
			SPLP MetalGroup3	6020B		07/15/25	07/16/25	
			SPLP MetalGroup3	6020B		07/15/25	07/24/25	
Q2555-04	OU4-TS-30-070925	Water			07/09/25			07/10/25
			SPLP Mercury	7470A		07/15/25	07/15/25	
			SPLP MetalGroup3	6020B		07/15/25	07/16/25	
			SPLP MetalGroup3	6020B		07/15/25	07/24/25	



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25 10:30
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
		% Solid:	74.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.13	J	1	0.056	0.26	0.33	mg/Kg	07/10/25 13:00	07/11/25 09:39	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:	07/09/25 10:45
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
		% Solid:	76.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.075	J	1	0.053	0.25	0.31	mg/Kg	07/10/25 13:00	07/11/25 09:46	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

LAB CHRONICLE

OrderID:	Q2555	OrderDate:	7/10/2025 10:17:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	OU4-TS-29-070925	SOIL			07/09/25 10:30			07/10/25
			Cyanide	9012B		07/10/25	07/11/25 09:39	
Q2555-03	OU4-TS-30-070925	SOIL			07/09/25 10:45			07/10/25
			Cyanide	9012B		07/10/25	07/11/25 09:46	



SHIPPING DOCUMENTS

284 Sheffield Street, Mountainside, NJ 07092

[illegible]

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 : Q2555	NOBI03	Order Date : 7/10/2025 10:17:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 7/10/2025 10:00:00 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
Q2555-01	OU4-TS-29-070925	Solid	07/09/2025	10:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q2555-03	OU4-TS-30-070925	Solid	07/09/2025	10:45					
					VOCMS Group3		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

CA
7/10/25 13:05

Received By :

Date / Time :

Sam
6/7/10/25 13:05 2846
E22

Storage Area : VOA Refridgerator Room