

DATA PACKAGE

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

PROJECT NAME : MILLVILLE SEWAGE TREATMENT PLANT - FIELD SAMPLING

COPPOLA SERVICES

28 Executive Parkway

Ringwood, NJ - 07456

Phone No: (973) 962-1010

ORDER ID : Q2409

ATTENTION : Jeffrey Simpkins



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group LLC Client : Coppola Services

Project Location : _____ Project Number : _____

Laboratory Sample ID(s) : Q2409 Sampling Date(s) : 06/24/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,1030,1311,1311 ZHE, 160.4, 6010D, 7470A, 8015D, 8081B, 8082A, 8260D,8270E,9012B,9034,9045D,SM2540 B,**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified handling, preservation, and holding time requirements met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ 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 (4±2° C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and/or 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 should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

Cover Page

Order ID : Q2409

Project ID : Millville Sewage Treatment Plant - Field Sampling

Client : Coppola Services

Lab Sample Number

Q2409-01
Q2409-02

Client Sample Number

COP-SOIL-PILE
COP-SOIL-PILE

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 :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:48 pm, Oct 07, 2025

Date: 7/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Coppola Services

Project Name: Millville Sewage Treatment Plant - Field Sampling

Project # N/A

Order ID # Q2409

Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 06/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP PesticideGroup1, TCLP VOA, TCLP ZHE Extraction, TCLP Metals Group1, TPH GC, TS and TVS. This data package contains results for TCLP VOA.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

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 for {VN0626WBSD01} with File ID: VN087187.D met criteria except for 1,1-Dichloroethene[25%] and 1,2-Dichloroethane[22%] . due to difference in BS and BSD concentrations.

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VN087181.D met the requirements except for 1,2-Dichloroethane and Carbon Tetrachloride . Failing high but associated samples have not positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

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

Trip Blank was not provided with this set of samples.

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.

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APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:57 pm, Oct 07, 2025

Signature _____

CASE NARRATIVE

Coppola Services

Project Name: Millville Sewage Treatment Plant - Field Sampling

Project # N/A

Order ID # Q2409

Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 06/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP PesticideGroup1, TCLP VOA, TCLP ZHE Extraction, TCLPMetals Group1, TPH GC, TS and TVS. This data package contains results for TCLP BNA.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

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 BF142857.D met the requirements except for Nitrobenzene-d5 . Marginally high but associated sample has not positive hit for this compound therefore no corrective action was taken.

The Continuous Calibration File ID BF142882.D met the requirements except for Nitrobenzene-d5 . Marginally high but associated sample has not positive hit for this compound therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:57 pm, Oct 07, 2025

Signature_____

CASE NARRATIVE

Coppola Services

Project Name: Millville Sewage Treatment Plant - Field Sampling

Project # N/A

Order ID # Q2409

Test Name: TCLP PesticideGroup1

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 06/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP PesticideGroup1, TCLP VOA, TCLP ZHE Extraction, TCLP Metals Group1, TPH GC, TS and TVS. This data package contains results for TCLP PesticideGroup1.

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 TCLP PesticideGroup1s was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

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 recoveries met the requirements for all compounds .

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:

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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Phone: 908 789 8900 Fax: 908 789 8922

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APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:57 pm, Oct 07, 2025

Signature_____

CASE NARRATIVE

Coppola Services

Project Name: Millville Sewage Treatment Plant - Field Sampling

Project # N/A

Order ID # Q2409

Test Name: PCB

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 06/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP PesticideGroup1, TCLP VOA, TCLP ZHE Extraction, TCLPMetals Group1, TPH GC, TS and TVS. 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.

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 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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APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:58 pm, Oct 07, 2025

Signature_____

CASE NARRATIVE

Coppola Services

Project Name: Millville Sewage Treatment Plant - Field Sampling

Project # N/A

Order ID # Q2409

Test Name: TPH GC

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 06/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP PesticideGroup1, TCLP VOA, TCLP ZHE Extraction, TCLPMetals Group1, TPH GC, TS and TVS. This data package contains results for TPH GC.

C. Analytical Techniques:

The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of TPH GC was based on method 8015D 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 {Q2409-02MS} with File ID: FF016038.D recoveries met the requirements for all compounds except for Petroleum Hydrocarbons[-27%] due to matrix interference .

The MSD {Q2409-02MSD} with File ID: FF016039.D recoveries met the acceptable requirements except for Petroleum Hydrocarbons[-14%] due to matrix interference .

The RPD for {Q2409-02MSD} with File ID: FF016039.D met criteria except for Petroleum Hydrocarbons[65.3%] due to difference in MS and MSD concentrations.

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 .



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E. Additional Comments:

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

F. Manual Integration Comments:

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

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:58 pm, Oct 07, 2025

Signature_____

CASE NARRATIVE

Coppola Services

Project Name: Millville Sewage Treatment Plant - Field Sampling

Project # N/A

Order ID # Q2409

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 06/24/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL. This data package contains results for Mercury, Metals ICP-TAL.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate (COP-SOIL-PILEDUP) analysis met criteria for all compounds except for Aluminum, Arsenic, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Silver and Zinc due to unknown interference during Digestion process.

The Duplicate (COP-SOIL-PILEMSD) analysis met criteria for all compounds except for Antimony due to Chemical Interference during Digestion process.

The Matrix Spike (COP-SOIL-PILEMS) analysis met criteria for all compounds except for Antimony, Barium, Copper, Lead, Potassium, Sodium and Zinc due to Chemical Interference during Digestion process.

The Matrix Spike Duplicate (COP-SOIL-PILEMSD) analysis met criteria for all compounds except for Antimony, Barium, Manganese, Potassium, Sodium and Zinc due to Chemical Interference during Digestion process.

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

The Calibration met the requirements.

The Serial Dilution met criteria for all compounds.

E. Additional Comments:

The Post Digest Spike (COP-SOIL-PILEA) analysis met criteria for all compounds except for Sodium 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.



This Data Package has been revised due to Metal ICP TAL and Mercury Test activated as per Client Request.

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:58 pm, Oct 07, 2025

Signature _____



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CASE NARRATIVE

Coppola Services

Project Name: Millville Sewage Treatment Plant - Field Sampling

Project # N/A

Order ID # Q2409

Test Name: TCLP Mercury, TCLP Metals Group1

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 06/24/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP Pesticide Group1, TCLP VOA, TCLP ZHE Extraction, TCLP Metals Group1, TPH GC, TS and TVS. This data package contains results for TCLP Mercury, TCLP Metals Group1.

C. Analytical Techniques:

The analysis of TCLP Metals Group1 was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all 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.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The data package has been revised due to peremeter list updated.

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:58 pm, Oct 07, 2025

Signature_____



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

CASE NARRATIVE

Coppola Services

Project Name: Millville Sewage Treatment Plant - Field Sampling

Project # N/A

Order ID # Q2409

Test Name: Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide, TS, TVS

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 06/24/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP Pesticide Group 1, TCLP VOA, TCLP ZHE Extraction, TCLP Metals Group 1, TPH GC, TS and TVS. This data package contains results for Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide, TS, TVS.

C. Analytical Techniques:

The analysis of Ignitability was based on method 1030, The analysis of TVS was based on method 160.4, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of Corrosivity was based on method 9045D and The analysis of TS was based on method SM2540 B.

D. QA/ QC Samples:

The Holding Times were met for all samples except for COP-SOIL-PILE of Corrosivity as sample was received out of holding time.

The Blank Spike met requirements for all parameters.

The 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_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:59 pm, Oct 07, 2025

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: <ul 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 #: Q2409

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 07/03/2025

Hit Summary Sheet
SW-846

SDG No.: Q2409
Client: Coppola Services

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

Client ID:

0

Total Voc :

Total Concentration:

A

B

C

D



SAMPLE DATA

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087195.D	1		06/26/25 15:10	VN062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.23			
540-36-3	1,4-Difluorobenzene	352000	9.106			
3114-55-4	Chlorobenzene-d5	331000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	147000	13.788			

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:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-01	COP-SOIL-PILE	TCLP	TCLP VOA	8260D	06/24/25		06/26/25	06/24/25



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

Hit Summary Sheet
SW-846

SDG No.: Q2409
Client: Coppola Services

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



SAMPLE DATA

Report of Analysis

Client:	Coppola Services	Date Collected:	06/25/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/25/25
Client Sample ID:	PB168571TB	SDG No.:	Q2409
Lab Sample ID:	PB168571TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142883.D	1	06/25/25 11:10	06/27/25 10:20	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	124		15 (23) - 110 (138)	83%	SPK: 150
13127-88-3	Phenol-d6	123		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.8		30 (67) - 130 (132)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.7		30 (52) - 130 (132)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		15 (44) - 110 (137)	85%	SPK: 150
1718-51-0	Terphenyl-d14	75.2		30 (42) - 130 (152)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	77800	6.875			
1146-65-2	Naphthalene-d8	300000	8.157			
15067-26-2	Acenaphthene-d10	164000	9.916			
1517-22-2	Phenanthrene-d10	286000	11.404			
1719-03-5	Chrysene-d12	173000	14.051			
1520-96-3	Perylene-d12	160000	15.545			

Report of Analysis

Client:	Coppola Services	Date Collected:	06/25/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/25/25
Client Sample ID:	PB168571TB	SDG No.:	Q2409
Lab Sample ID:	PB168571TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142883.D	1	06/25/25 11:10	06/27/25 10:20	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
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J = Estimated Value
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 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-02	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142870.D	1	06/25/25 11:10	06/26/25 16:06	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		15 (23) - 110 (138)	78%	SPK: 150
13127-88-3	Phenol-d6	106		15 (10) - 110 (134)	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.0		30 (67) - 130 (132)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		30 (42) - 130 (152)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	80900	6.875			
1146-65-2	Naphthalene-d8	315000	8.157			
15067-26-2	Acenaphthene-d10	165000	9.916			
1517-22-2	Phenanthrene-d10	274000	11.404			
1719-03-5	Chrysene-d12	139000	14.051			
1520-96-3	Perylene-d12	160000	15.539			

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-02	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142870.D	1	06/25/25 11:10	06/26/25 16:06	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
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 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:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	COP-SOIL-PILE	TCLP	TCLP BNA	8270E	06/24/25	06/25/25	06/26/25	06/24/25

Hit Summary Sheet
SW-846

A

B

C

D

SDG No.:	Q2409	Order ID:	Q2409
Client:	Coppola Services	Project ID:	Millville Sewage Treatment Plant - Fie

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

Total Concentration: 0.000



SAMPLE DATA

Report of Analysis

Client:	Coppola Services		Date Collected:		
Project:	Millville Sewage Treatment Plant - Field Sampling		Date Received:	07/01/25	
Client Sample ID:	PB168571TB		SDG No.:	Q2409	
Lab Sample ID:	PB168571TB		Matrix:	TCLP	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP PesticideGroup1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089280.D	1	07/01/25 09:19	07/01/25 17:32	PB168676

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		30 (57) - 150 (171)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.5		30 (61) - 150 (148)	107%	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:	Coppola Services		Date Collected:	06/24/25	
Project:	Millville Sewage Treatment Plant - Field Sampling		Date Received:	06/24/25	
Client Sample ID:	COP-SOIL-PILE		SDG No.:	Q2409	
Lab Sample ID:	Q2409-02		Matrix:	TCLP	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP PesticideGroup1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089281.D	1	07/01/25 09:19	07/01/25 17:45	PB168676

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		30 (57) - 150 (171)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		30 (61) - 150 (148)	100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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LAB CHRONICLE

OrderID:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	COP-SOIL-PILE	SOIL			06/24/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			TPH GC	8015D		06/30/25	06/30/25	
			TCLP PesticideGroup1	8081B		07/01/25	07/01/25	

Hit Summary Sheet
SW-846

SDG No.: Q2409

Order ID: Q2409

Client: Coppola Services

Project ID: Millville Sewage Treatment Plant - Fie

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COP-SOIL-PILE								
Q2409-02	COP-SOIL-PILE	SOIL	Aroclor-1254	28.3	3.30		17.6	ug/kg
Q2409-02	COP-SOIL-PILE	SOIL	Aroclor-1260	31.0	3.30		17.6	ug/kg
Total Concentration:				59.300				



SAMPLE DATA

Report of Analysis

Client:	Coppola Services		Date Collected:	06/24/25	
Project:	Millville Sewage Treatment Plant - Field Sampling		Date Received:	06/24/25	
Client Sample ID:	COP-SOIL-PILE		SDG No.:	Q2409	
Lab Sample ID:	Q2409-02		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	96.4	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
PP073291.D	1	06/26/25 08:20	06/26/25 12:58	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	17.6	ug/kg
11104-28-2	Aroclor-1221	4.20	U	4.20	17.6	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.6	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	17.6	ug/kg
12672-29-6	Aroclor-1248	6.10	U	6.10	17.6	ug/kg
11097-69-1	Aroclor-1254	28.3		3.30	17.6	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	17.6	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	17.6	ug/kg
11096-82-5	Aroclor-1260	31.0		3.30	17.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		30 (32) - 150 (144)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		30 (32) - 150 (175)	110%	SPK: 20

Comments:

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LAB CHRONICLE

OrderID:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	COP-SOIL-PILE	SOIL	PCB	8082A	06/24/25	06/26/25	06/26/25	06/24/25



SAMPLE DATA

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-02	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	96.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016037.D	1	06/30/25 09:20	06/30/25 14:39	PB168659

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	45400		398	2930	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	13.0		37 - 130	65%	SPK: 20

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LAB CHRONICLE

OrderID:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	COP-SOIL-PILE	SOIL			06/24/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			TPH GC	8015D		06/30/25	06/30/25	

Hit Summary Sheet SW-846

SDG No.:	Q2409	Order ID:	Q2409
Client:	Coppola Services	Project ID:	Millville Sewage Treatment Plant - Field S

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COP-SOIL-PILE								
Q2409-05	COP-SOIL-PILE	SOIL	Aluminum	3810		0.73	4.36	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Antimony	0.32	J	0.19	2.18	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Arsenic	2.07		0.17	0.87	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Barium	20.5		0.64	4.36	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Beryllium	0.21	J	0.022	0.26	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Cadmium	2.06		0.021	0.26	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Calcium	2310		9.68	87.2	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Chromium	8.68		0.041	0.44	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Cobalt	0.66	J	0.087	1.31	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Copper	18.1		0.19	0.87	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Iron	2880		3.48	4.36	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Lead	51.6		0.11	0.52	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Magnesium	576		10.5	87.2	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Manganese	14.8		0.12	0.87	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Mercury	0.30		0.0070	0.013	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Nickel	2.25		0.11	1.74	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Potassium	116		24.1	87.2	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Selenium	1.16		0.23	0.87	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Silver	1.30		0.11	0.44	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Thallium	0.31	J	0.20	1.74	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Vanadium	7.19		0.22	1.74	mg/Kg
Q2409-05	COP-SOIL-PILE	SOIL	Zinc	30.6		0.20	1.74	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3810	*	1	0.73	4.36	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-36-0	Antimony	0.32	JN*	1	0.19	2.18	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-38-2	Arsenic	2.07	*	1	0.17	0.87	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-39-3	Barium	20.5	N	1	0.64	4.36	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-41-7	Beryllium	0.21	J*	1	0.022	0.26	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-43-9	Cadmium	2.06	*	1	0.021	0.26	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-70-2	Calcium	2310	*	1	9.68	87.2	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-47-3	Chromium	8.68	*	1	0.041	0.44	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-48-4	Cobalt	0.66	J	1	0.087	1.31	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-50-8	Copper	18.1	N*	1	0.19	0.87	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7439-89-6	Iron	2880	*	1	3.48	4.36	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7439-92-1	Lead	51.6	N*	1	0.11	0.52	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7439-95-4	Magnesium	576	*	1	10.5	87.2	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7439-96-5	Manganese	14.8	N*	1	0.12	0.87	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7439-97-6	Mercury	0.30		1	0.0070	0.013	mg/Kg	10/02/25 15:10	10/03/25 09:05	7471B	
7440-02-0	Nickel	2.25		1	0.11	1.74	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-09-7	Potassium	116	N	1	24.1	87.2	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7782-49-2	Selenium	1.16		1	0.23	0.87	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-22-4	Silver	1.30	*	1	0.11	0.44	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-23-5	Sodium	15.5	UN	1	15.5	87.2	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-28-0	Thallium	0.31	J	1	0.20	1.74	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-62-2	Vanadium	7.19		1	0.22	1.74	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050
7440-66-6	Zinc	30.6	N*	1	0.20	1.74	mg/Kg	10/02/25 15:10	10/02/25 17:53	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
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

LAB CHRONICLE

OrderID:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	COP-SOIL-PILE	TCLP	TCLP Mercury	7470A	06/24/25	06/26/25	06/26/25	06/24/25
			TCLPMetals Group1	6010D		06/25/25	06/26/25	
Q2409-05	COP-SOIL-PILE	SOIL	Mercury	7471B	06/24/25	10/02/25	10/03/25	06/24/25
			Metals ICP-TAL	6010D		10/02/25	10/02/25	

Hit Summary Sheet
SW-846

SDG No.:	Q2409	Order ID:	Q2409
Client:	Coppola Services	Project ID:	Millville Sewage Treatment Plant - Field S

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COP-SOIL-PILE								
Q2409-02	COP-SOIL-PILE	TCLP	Barium	765		72.8	500	ug/L
Q2409-02	COP-SOIL-PILE	TCLP	Cadmium	65.9		2.50	30.0	ug/L
Q2409-02	COP-SOIL-PILE	TCLP	Chromium	11.8	J	10.6	50.0	ug/L
Q2409-02	COP-SOIL-PILE	TCLP	Copper	85.3	J	23.0	100	ug/L
Q2409-02	COP-SOIL-PILE	TCLP	Lead	155		11.5	60.0	ug/L
Q2409-02	COP-SOIL-PILE	TCLP	Zinc	580		17.5	200	ug/L



SAMPLE DATA

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7440-39-3	Barium	765		1	72.8	500	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7440-41-7	Beryllium	2.80	U	1	2.80	30.0	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7440-43-9	Cadmium	65.9		1	2.50	30.0	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7440-47-3	Chromium	11.8	J	1	10.6	50.0	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7440-50-8	Copper	85.3	J	1	23.0	100	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7439-92-1	Lead	155		1	11.5	60.0	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	06/26/25 08:35	06/26/25 13:17	7470A	
7440-02-0	Nickel	15.3	U	1	15.3	200	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050
7440-66-6	Zinc	580		1	17.5	200	ug/L	06/25/25 12:32	06/26/25 19:35	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP Metals+Cu+Ni+Zn			

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:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	COP-SOIL-PILE	TCLP			06/24/25			06/24/25
			TCLP Mercury	7470A		06/26/25	06/26/25	
			TCLPMetals Group1	6010D		06/25/25	06/26/25	



SAMPLE DATA

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25 09:04
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-02	Matrix:	SOIL
		% Solid:	96.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.80	H	1	0	0	pH		06/24/25 16:35	9045D
Ignitability	NO		1	0	0	oC		06/25/25 09:37	1030
Reactive Cyanide	0.010	J	1	0.0083	0.050	mg/Kg	06/25/25 10:45	06/25/25 12:56	9012B
Reactive Sulfide	3.16	J	1	0.20	10.0	mg/Kg	06/27/25 09:10	06/27/25 11:33	9034
TS	96.4		1	1.00	5.00	%		06/26/25 09:00	SM 2540 B-20
TVS	1.30	J	1	1.00	10.0	%		06/26/25 15:00	160.4

Comments: pH result reported at temperature 24.7 °C

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:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	COP-SOIL-PILE	SOIL			06/24/25 09:04			06/24/25
			Reactive Sulfide	9034		06/27/25	06/27/25 11:33	
			TS	SM2540 B			06/26/25 09:00	
			TVS	160.4			06/26/25 15:00	
			Corrosivity	9045D			06/24/25 16:35	
			Ignitability	1030			06/25/25 09:37	
			Reactive Cyanide	9012B		06/25/25	06/25/25 12:56	



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Coppola Services

ADDRESS: 355 Fowser Rd

CITY: Millville STATE: NJ ZIP:

ATTENTION: Jeffrey Simpkins

PHONE: FAX:

PROJECT NAME: Coppla Services

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. TCLP VOA
2. Corrosivity
3. Ignitability
4. Reactive CN
5. Reactive Sulfide
6. TCLP Metals + Cadmium
7. TCLP BNA / TVS
8. TCLP Residues (GCL)
9. TPH GC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	Cop-Soil Pile	Soil		X	6-24-25	858	2	X									1.2 ppm	
2.	Cop-Soil Pile		X			904	6		X	X	X	X	X	X	X	X		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 9:25 6-24-25	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: <input checked="" type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 3.8 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 1:43 6-24-25	RECEIVED BY: 3. [Signature]	Page ____ of CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO

CHEMTECH

Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Coppola Services

Chemtech Order ID: _____

Service Order #: _____

Sampler Name: JT

Work Order #: _____

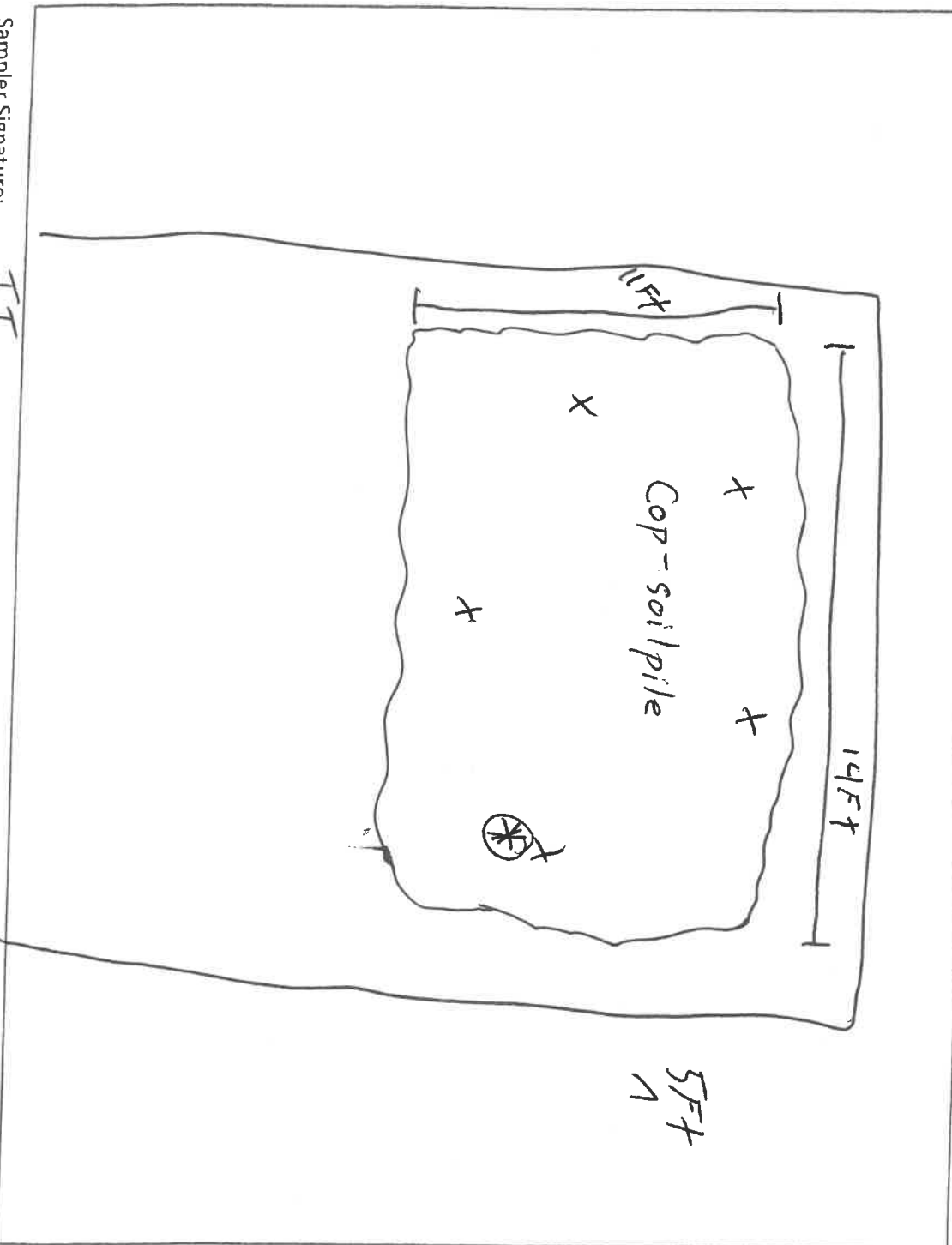
Client Project Coordinator & Phone:
Jeffrey Simpkins

Labor WBS #: _____

Page #: 1 of 1Facility/Site: Savage Utility of MillvilleSite Address: 355 Fowler RdArrive Date: 6-24-25Millville NJArrive Time: 845Depart Time: 925Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tankSample Matrices (circle all that apply): Water / Soil / NAPL / Concrete / WipeCollection Depths: NATemp (range): 3.8 °C PID Readings (range): 1, 2 PPM Dimensions/CY: 14x11x5Sample Description: Dry grayish soil - some RocksOdor: Y / DB Color: Y / DBField Observations: 1 small soil pile

Grid/Area Composite Map:

QA Control # A3041134

Sampler Signature: JT

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____

Laboratory Certification

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