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

DATA PACKAGE

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

PROJECT NAME : 3 COAL AVE., MORRISTOWN, NJ

ZUCCARO INC.

64 Commerce Street

Garfield, NJ - 07026

Phone No: (973) 472-9554

ORDER ID : Q3032

ATTENTION : Sal Zuccaro

Laboratory Certification ID # 20012

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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : Zuccaro Inc.

Project Location : Project Number : - 3 Coal Ave., Morristown, NJ

Laboratory Sample ID(s) : Q3032 Sampling Date(s) : 09/05/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,1311,1311 ZHE, 6010D,7470A,7471B,8081B, 8082A,8151A,8260D,8270E,9012B**

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

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

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Cover Page

Order ID : Q3032

Project ID : 3 Coal Ave., Morristown, NJ

Client : Zuccaro Inc.

Lab Sample Number	Client Sample Number
Q3032-01	SOIL-PILE-1
Q3032-02	SOIL-PILE-1
Q3032-03	SOIL-PILE-1
Q3032-04	SOIL-PILE-2
Q3032-05	SOIL-PILE-2
Q3032-06	SOIL-PILE-2

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: 9/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Zuccaro Inc.
Project Name: 3 Coal Ave., Morristown, NJ
Project # N/A
Order ID # Q3032
Test Name: TCLP VOA,VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 09/05/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
. This data package contains results for TCLP VOA(8260D), VOC-TCLVOA-10(8260D).

C. Analytical Techniques:
VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

TCLP VOA : 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 were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements except following
VOC-TCLVOA-10 : The %RSD is greater than 20% in the Initial Calibration method (82Y081225S.M) for Methylene chloride passing on Linear regression.

The Continuous Calibration met the requirements except following

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VOC-TCLVOA-10 : The Continuous Calibration File ID VY023290.D met the requirements except for Tetrachloroethene is failing high but no positive hit in associate sample therefore no corrective action 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.

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 APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:48 pm, Sep 18, 2025

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CASE NARRATIVE

Zuccaro Inc.
Project Name: 3 Coal Ave., Morristown, NJ
Project # N/A
Order ID # Q3032
Test Name: SVOC-TCL BNA -20,TCLP BNA

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 09/05/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
. This data package contains results for SVOC-TCL BNA -20(8270E), TCLP BNA(8270E).

C. Analytical Techniques:
SVOC-TCL BNA -20 : The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

TCLP BNA : 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 were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q3032-01MS} with File ID: BG064310.D recoveries met the requirements for all compounds except for 2,2-oxybis(1-Chloropropane)[65%], 3,3-Dichlorobenzidine[42%], 3-Nitroaniline[50%] and 4-Chloroaniline[29%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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The MSD {Q3032-01MSD} with File ID: BG064311.D recoveries met the acceptable requirements except for 2,2-oxybis(1-Chloropropane)[65%], 3,3-Dichlorobenzidine[43%], 3-Nitroaniline[55%] and 4-Chloroaniline[32%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The RPD were met for all analysis.

The Blank Spike for {PB169593BS} with File ID: BG064331.D met requirements for all samples except for 2,2-oxybis(1-Chloropropane)[59%], 3,3-Dichlorobenzidine[65%] and 4-Chloroaniline[54%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate met requirements for all compounds.

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

The %RSD is greater than 20% in the Method 8270-BG082825.M for 2,4-Dinitrophenol & it is passing on Linear regression.

The Continuous Calibration File ID BG064301.D met the requirements except for 2,2-oxybis(1-Chloropropane), marginally biased low and 4,6-Dinitro-2-methylphenol ,Hexachlorobutadiene, Hexachlorocyclopentadiene and 2,4,6-Tribromophenol failing biased high, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BG064329.D met the requirements except for 1,2,4,5-Tetrachlorobenzene, 2,3,4,6-Tetrachlorophenol,2,4,5-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Nitroaniline,Atrazine, Hexachlorobutadiene, Hexachlorocyclopentadiene, Pentachlorophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.. and 2,4,6-Tribromophenol, biased high therefore no corrective action was taken.

The Tuning criteria met requirements.

SVOC-TCL BNA -20 : Samples SOIL-PILE-2 was diluted due to viscous and concentrated matrix.

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

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

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

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 

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CASE NARRATIVE

Zuccaro Inc.
Project Name: 3 Coal Ave., Morristown, NJ
Project # N/A
Order ID # Q3032
Test Name: PCB,Pesticide-TCL,TCLP Herbicide,TCLP Pesticide

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 09/05/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
. This data package contains results for PCB(8082A), Pesticide-TCL(8081B), TCLP Herbicide(8151A), TCLP Pesticide(8081B).

C. Analytical Techniques:
PCB : 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.

TCLP Herbicide : 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 TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

TCLP Pesticide : The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

Pesticide-TCL : 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.

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The Surrogate recoveries were met for all analysis except following
TCLP Herbicide : SOIL-PILE-1MSD [2,4-DCAA(2)132%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

Pesticide-TCL : SOIL-PILE-2 [Decachlorobiphenyl(2)24%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

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 soil samples results are based on a dry weight basis.

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

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

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CASE NARRATIVE

Zuccaro Inc.
Project Name: 3 Coal Ave., Morristown, NJ
Project # N/A
Order ID # Q3032
Test Name: Mercury,Metals ICP-TAL,TCLP ICP Metals,TCLP Mercury

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 09/05/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20, TCL+30/TAL, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOC-TCLVOA-10. This data package contains results for Mercury,Metals ICP-TAL,TCLP ICP Metals,TCLP Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-TAL,TCLP ICP Metals was based on method 6010D, digestion based on method 3050 (soils).

The analysis and digestion of TCLP Mercury was based on method 7470A. and TCLP extraction method was 1311.

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 analysis met criteria for all compounds except following Mercury,Metals ICP-TAL : The Duplicate (SOIL-PILE-2MSD) analysis met criteria for all compounds except for Manganese due to Chemical Interference during Digestion Process.

TCLP ICP Metals,TCLP Mercury : The Duplicate (VNJ-223MSD) analysis met criteria for all compounds except for Barium due to Chemical Interference during Digestion Process.

The MS recoveries met the requirements for all compounds except following Mercury,Metals ICP-TAL : The Matrix Spike (SOIL-PILE-2MS) analysis met criteria for

all compounds except for Antimony, Arsenic, Barium, Beryllium, Lead, Selenium and Sodium due to Chemical Interference during Digestion Process.

The MSD recoveries met the requirements for all compounds except following Mercury,Metals ICP-TAL : The Matrix Spike Duplicate (SOIL-PILE-2MSD) analysis met criteria for all compounds except for Antimony, Arsenic, Barium, Beryllium, Lead, Selenium and Sodium due to Chemical Interference during Digestion Process.

The Serial Dilution met criteria for all compounds except following Mercury,Metals ICP-TAL : The Serial Dilution (SOIL-PILE-2L) met criteria for all compounds except for Aluminum, Calcium, Magnesium and Manganese due to sample matrix interference.

E. Additional Comments:

The Post Digest Spike (SOIL-PILE-2A) analysis met criteria for all compounds except for Beryllium and 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.

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 

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CASE NARRATIVE

Zuccaro Inc.
Project Name: 3 Coal Ave., Morristown, NJ
Project # N/A
Order ID # Q3032
Test Name: Cyanide

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 09/05/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide. 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 compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate analysis met criteria for all compounds.
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 2:55 pm, Sep 18, 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

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3032

	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:** 09/18/2025

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP VOA	8260D			09/08/25	
Q3032-03	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			VOC-TCLVOA-10	8260D			09/05/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP VOA	8260D			09/08/25	
Q3032-06	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			VOC-TCLVOA-10	8260D			09/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032

Client: Zuccaro Inc.

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

0

Total Voc :

Total Concentration:

SAMPLE DATA

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.7
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023298.D	1	09/05/25 15:01	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.82	U	0.82	3.60	ug/Kg
74-87-3	Chloromethane	0.82	U	0.82	3.60	ug/Kg
75-01-4	Vinyl Chloride	0.56	U	0.56	3.60	ug/Kg
74-83-9	Bromomethane	0.76	U	0.76	3.60	ug/Kg
75-00-3	Chloroethane	0.90	U	0.90	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.87	U	0.87	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.71	U	0.71	3.60	ug/Kg
67-64-1	Acetone	3.40	U	3.40	17.9	ug/Kg
75-15-0	Carbon Disulfide	0.76	U	0.76	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.52	U	0.52	3.60	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.60	ug/Kg
75-09-2	Methylene Chloride	2.50	U	2.50	7.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.61	U	0.61	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.57	U	0.57	3.60	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	3.60	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	17.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U	0.69	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.54	U	0.54	3.60	ug/Kg
74-97-5	Bromochloromethane	0.82	U	0.82	3.60	ug/Kg
67-66-3	Chloroform	0.60	U	0.60	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.66	U	0.66	3.60	ug/Kg
108-87-2	Methylcyclohexane	0.65	U	0.65	3.60	ug/Kg
71-43-2	Benzene	0.56	U	0.56	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.56	U	0.56	3.60	ug/Kg
79-01-6	Trichloroethene	0.58	U	0.58	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	3.60	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	17.9	ug/Kg
108-88-3	Toluene	0.56	U	0.56	3.60	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.7
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023298.D	1	09/05/25 15:01	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.46	U	0.46	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.44	U	0.44	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.66	U	0.66	3.60	ug/Kg
591-78-6	2-Hexanone	2.60	U	2.60	17.9	ug/Kg
124-48-1	Dibromochloromethane	0.62	U	0.62	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.63	U	0.63	3.60	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	3.60	ug/Kg
108-90-7	Chlorobenzene	0.65	U	0.65	3.60	ug/Kg
100-41-4	Ethyl Benzene	0.48	U	0.48	3.60	ug/Kg
179601-23-1	m/p-Xylenes	0.89	U	0.89	7.10	ug/Kg
95-47-6	o-Xylene	0.59	U	0.59	3.60	ug/Kg
100-42-5	Styrene	0.51	U	0.51	3.60	ug/Kg
75-25-2	Bromoform	0.61	U	0.61	3.60	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.87	U	0.87	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.00	U	1.00	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.10	U	2.10	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		70 (63) - 130 (155)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (17) - 130 (146)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	583000	7.707			
540-36-3	1,4-Difluorobenzene	1100000	8.615			
3114-55-4	Chlorobenzene-d5	1010000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	418000	13.346			

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.7
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023298.D	1	09/05/25 15:01	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	7.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023299.D	1	09/05/25 15:25	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.92	U	0.92	4.00	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.1	ug/Kg
75-15-0	Carbon Disulfide	0.85	U	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
74-97-5	Bromochloromethane	0.92	U	0.92	4.00	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.75	U	0.75	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.1	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.00	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	7.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023299.D	1	09/05/25 15:25	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.1	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.00	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.4		70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (17) - 130 (146)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	571000	7.707			
540-36-3	1,4-Difluorobenzene	1070000	8.615			
3114-55-4	Chlorobenzene-d5	983000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	402000	13.346			

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	7.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023299.D	1	09/05/25 15:25	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3032-03	SOIL-PILE-1	1,2-Dichloroethane-d4	50	56.9	114		70 (63)	130 (155)
		Dibromofluoromethane	50	54.5	109		70 (70)	130 (134)
		Toluene-d8	50	50.6	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.4	99		70 (17)	130 (146)
Q3032-06	SOIL-PILE-2	1,2-Dichloroethane-d4	50	56.5	113		70 (63)	130 (155)
		Dibromofluoromethane	50	54.3	109		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.9	98		70 (17)	130 (146)
VY0905SBL01	VY0905SBL01	1,2-Dichloroethane-d4	50	55.3	111		70 (63)	130 (155)
		Dibromofluoromethane	50	54.3	109		70 (70)	130 (134)
		Toluene-d8	50	51.1	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.6	95		70 (17)	130 (146)
VY0905SBS01	VY0905SBS01	1,2-Dichloroethane-d4	50	48.3	97		70 (63)	130 (155)
		Dibromofluoromethane	50	53.2	106		70 (70)	130 (134)
		Toluene-d8	50	50.9	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.1	102		70 (17)	130 (146)
VY0905SBSD01	VY0905SBSD01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	56.0	112		70 (70)	130 (134)
		Toluene-d8	50	54.3	109		70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.3	107		70 (17)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8260D

Client: Zuccaro Inc. **Datafile :** VY023292.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0905SBS01	Dichlorodifluoromethane	20	19.7	ug/Kg	99			40 (64)	160 (136)	
	Chloromethane	20	18.5	ug/Kg	93			40 (52)	160 (151)	
	Vinyl chloride	20	19.3	ug/Kg	97			70 (56)	130 (148)	
	Bromomethane	20	22.1	ug/Kg	111			40 (58)	160 (141)	
	Chloroethane	20	20.1	ug/Kg	101			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.3	ug/Kg	102			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.9	ug/Kg	100			70 (79)	130 (121)	
	Acetone	100	150	ug/Kg	150			40 (40)	160 (171)	
	Carbon disulfide	20	18.5	ug/Kg	93			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94			70 (77)	130 (129)	
	Methyl Acetate	20	18.5	ug/Kg	93			70 (69)	130 (149)	
	Methylene Chloride	20	19.8	ug/Kg	99			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.4	ug/Kg	97			70 (82)	130 (123)	
	Cyclohexane	20	17.1	ug/Kg	86			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Bromochloromethane	20	19.8	ug/Kg	99			70 (80)	130 (127)	
	Chloroform	20	20.6	ug/Kg	103			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			70 (80)	130 (126)	
	Methylcyclohexane	20	19.0	ug/Kg	95			70 (77)	130 (123)	
	Benzene	20	20.5	ug/Kg	103			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	22.4	ug/Kg	112			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	21.5	ug/Kg	108			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	96.8	ug/Kg	97			40 (70)	160 (135)	
	Toluene	20	20.7	ug/Kg	104			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	22.1	ug/Kg	111			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	22.5	ug/Kg	113			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.9	ug/Kg	110			70 (80)	130 (125)	
	Tetrachloroethene	20	24.2	ug/Kg	121			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	19.5	ug/Kg	98			70 (82)	130 (124)	
	m/p-Xylenes	40	40.2	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	19.7	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	20.4	ug/Kg	102			70 (82)	130 (124)	
	Bromoform	20	22.6	ug/Kg	113			70 (75)	130 (127)	
	Isopropylbenzene	20	18.9	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8260D

Client: Zuccaro Inc. **Datafile :** VY023292.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0905SBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/Kg	93			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.4	ug/Kg	102			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8260D

Client: Zuccaro Inc. **Datafile :** VY023293.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0905SBSD01	Dichlorodifluoromethane	20	21.3	ug/Kg	106	7		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.1	ug/Kg	96	3		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	20.8	ug/Kg	104	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	22.5	ug/Kg	113	2		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.8	ug/Kg	104	3		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.6	ug/Kg	108	6		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	22.1	ug/Kg	111	7		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.6	ug/Kg	103	3		70 (79)	130 (121)	30 (20)
	Acetone	100	140	ug/Kg	140	7		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	19.0	ug/Kg	95	2		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	19.2	ug/Kg	96	2		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.3	ug/Kg	97	4		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.1	ug/Kg	106	7		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.1	ug/Kg	101	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.0	ug/Kg	90	5		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	22.6	ug/Kg	113	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.2	ug/Kg	101	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.8	ug/Kg	104	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106	5		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.0	ug/Kg	100	5		70 (77)	130 (123)	30 (20)
	Benzene	20	21.5	ug/Kg	108	5		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.1	ug/Kg	106	2		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	23.6	ug/Kg	118	5		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.5	ug/Kg	108	7		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.0	ug/Kg	110	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	3		40 (70)	160 (135)	30 (20)
	Toluene	20	21.7	ug/Kg	109	5		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	4		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106	5		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	23.4	ug/Kg	117	3		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	22.8	ug/Kg	114	4		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	25.7	ug/Kg	129	6		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.8	ug/Kg	109	5		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.6	ug/Kg	103	5		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.5	ug/Kg	106	5		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.8	ug/Kg	104	5		70 (83)	130 (123)	30 (20)
	Styrene	20	21.4	ug/Kg	107	5		70 (82)	130 (124)	30 (20)
	Bromoform	20	23.2	ug/Kg	116	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.3	ug/Kg	102	7		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	4		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	21.9	ug/Kg	110	8		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	22.0	ug/Kg	110	10		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	22.1	ug/Kg	111	8		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8260D

Client: Zuccaro Inc. **Datafile :** VY023293.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0905SBSD01	1,2-Dibromo-3-Chloropropane	20	21.0	ug/Kg	105	12		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	21.2	ug/Kg	106	5		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	21.5	ug/Kg	108	6		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0905SBL01

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab File ID: VY023291.D | Lab Sample ID: VY0905SBL01

Date Analyzed: 09/05/2025 | Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0905SBS01	VY0905SBS01	VY023292.D	09/05/2025
VY0905SBSD01	VY0905SBSD01	VY023293.D	09/05/2025
SOIL-PILE-1	Q3032-03	VY023298.D	09/05/2025
SOIL-PILE-2	Q3032-06	VY023299.D	09/05/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ZUCC01
Lab Code: ACE
SDG NO.: Q3032
Lab File ID: VY023048.D
BFB Injection Date: 08/12/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:26
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.3 (7.6) 1
176	95.0 - 101.0% of mass 174	80.9 (97.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023050.D	08/12/2025	14:54
VSTDICC010	VSTDICC010	VY023051.D	08/12/2025	15:17
VSTDICC020	VSTDICC020	VY023052.D	08/12/2025	15:40
VSTDICCC050	VSTDICCC050	VY023053.D	08/12/2025	16:02
VSTDICC100	VSTDICC100	VY023054.D	08/12/2025	16:25
VSTDICC150	VSTDICC150	VY023055.D	08/12/2025	16:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab File ID: VY023289.D | BFB Injection Date: 09/05/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:35

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.3) 1
174	50.0 - 100.0% of mass 95	94.1
175	5.0 - 9.0% of mass 174	7 (7.4) 1
176	95.0 - 101.0% of mass 174	91 (96.7) 1
177	5.0 - 9.0% of mass 176	5.8 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023290.D	09/05/2025	09:44
VY0905SBL01	VY0905SBL01	VY023291.D	09/05/2025	10:20
VY0905SBS01	VY0905SBS01	VY023292.D	09/05/2025	10:52
VY0905SBSD01	VY0905SBSD01	VY023293.D	09/05/2025	11:14
SOIL-PILE-1	Q3032-03	VY023298.D	09/05/2025	15:01
SOIL-PILE-2	Q3032-06	VY023299.D	09/05/2025	15:25

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: VY023290.D Date Analyzed: 09/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	501956	7.71	731150	8.62	649223	11.41
UPPER LIMIT	1003910	8.207	1462300	9.116	1298450	11.914
LOWER LIMIT	250978	7.207	365575	8.116	324612	10.914
EPA SAMPLE NO.						
SOIL-PILE-1	582850	7.71	1102138	8.62	1012716	11.41
SOIL-PILE-2	570597	7.71	1070253	8.62	982616	11.41
VY0905SBL01	596430	7.71	1122765	8.62	1037616	11.41
VY0905SBS01	459154	7.71	698662	8.62	626042	11.41
VY0905SBSD01	450289	7.71	676614	8.62	602095	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: VY023290.D Date Analyzed: 09/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	340704	13.346				
UPPER LIMIT	681408	13.846				
LOWER LIMIT	170352	12.846				
EPA SAMPLE NO.						
SOIL-PILE-1	418128	13.35				
SOIL-PILE-2	401855	13.35				
VY0905SBL01	426836	13.35				
VY0905SBS01	326298	13.35				
VY0905SBSD01	311021	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBL01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023291.D	1	09/05/25 10:20	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBL01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023291.D	1	09/05/25 10:20	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.3		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (17) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	596000	7.707			
540-36-3	1,4-Difluorobenzene	1120000	8.615			
3114-55-4	Chlorobenzene-d5	1040000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	427000	13.346			

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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBL01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023291.D	1	09/05/25 10:20	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBS01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023292.D	1	09/05/25 10:52	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.9		1.00	5.00	ug/Kg
67-64-1	Acetone	150		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.8		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.8		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.8		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBS01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023292.D	1	09/05/25 10:52	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 (70) - 130 (134)	106%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		70 (17) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	459000	7.707			
540-36-3	1,4-Difluorobenzene	699000	8.615			
3114-55-4	Chlorobenzene-d5	626000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	326000	13.346			

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBS01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023292.D	1	09/05/25 10:52	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBSD01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023293.D	1	09/05/25 11:14	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	23.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.7		0.78	5.00	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBSD01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023293.D	1	09/05/25 11:14	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	23.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	25.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.8		0.82	5.00	ug/Kg
100-42-5	Styrene	21.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	23.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		70 (63) - 130 (155)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		70 (70) - 130 (134)	112%	SPK: 50
2037-26-5	Toluene-d8	54.3		70 (74) - 130 (123)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (17) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	450000	7.707			
540-36-3	1,4-Difluorobenzene	677000	8.616			
3114-55-4	Chlorobenzene-d5	602000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	311000	13.346			

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VY0905SBSD01	SDG No.:	Q3032
Lab Sample ID:	VY0905SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023293.D	1	09/05/25 11:14	VY090525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.8
Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9
Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.3
Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.5
Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.2
Trichlorofluoromethane	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.7
1,1,2-Trichlorotrifluoroethane	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7
1,1-Dichloroethene	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.4
Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.9
Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.3
Methyl tert-butyl Ether	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.1
Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.4
Methylene Chloride	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.7
trans-1,2-Dichloroethene	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.3
1,1-Dichloroethane	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.1
Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.4
2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.5
Carbon Tetrachloride	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.1
cis-1,2-Dichloroethene	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.8
Bromochloromethane	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.9
Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.8
1,1,1-Trichloroethane	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.8
Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.3
Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.8
1,2-Dichloroethane	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.6
Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.3
1,2-Dichloropropane	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.1
Bromodichloromethane	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.5
4-Methyl-2-Pentanone	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.7
Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.3

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG No.: Q3032

Instrument ID: MSVOA_Y | Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.5
cis-1,3-Dichloropropene	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.5
1,1,2-Trichloroethane	0.230	0.242	0.253	0.239	0.236	0.254	0.242	4
2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.6
Dibromochloromethane	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.1
1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.6
Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.2
Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.6
Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.6
m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.8
o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.1
Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	10
Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5
Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.4
1,1,2,2-Tetrachloroethane	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.2
1,3-Dichlorobenzene	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.5
1,4-Dichlorobenzene	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.3
1,2-Dichlorobenzene	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.7
1,2-Dibromo-3-Chloropropane	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.3
1,2,4-Trichlorobenzene	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.4
1,2,3-Trichlorobenzene	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.7
1,2-Dichloroethane-d4	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.7
Dibromofluoromethane	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.1
Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.9
4-Bromofluorobenzene	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.4

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ZUCC01
Lab Code: ACE
SDG No.: Q3032
Instrument ID: MSVOA_Y
Calibration Date/Time: 09/05/2025 09:44
Lab File ID: VY023290.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.329		-19.36	20
Chloromethane	0.661	0.530	0.1	-19.82	20
Vinyl Chloride	0.817	0.724		-11.38	20
Bromomethane	0.610	0.562		-7.87	20
Chloroethane	0.543	0.507		-6.63	20
Trichlorofluoromethane	0.994	0.962		-3.22	20
1,1,2-Trichlorotrifluoroethane	0.490	0.502		2.45	20
1,1-Dichloroethene	0.482	0.464		-3.73	20
Acetone	0.103	0.105		1.94	20
Carbon Disulfide	1.571	1.345		-14.39	20
Methyl tert-butyl Ether	1.249	1.170		-6.32	20
Methyl Acetate	0.307	0.282		-8.14	20
Methylene Chloride	0.620	0.519		-16.29	20
trans-1,2-Dichloroethene	0.541	0.536		-0.92	20
1,1-Dichloroethane	0.942	0.888	0.1	-5.73	20
Cyclohexane	0.888	0.750		-15.54	20
2-Butanone	0.140	0.131		-6.43	20
Carbon Tetrachloride	0.483	0.547		13.25	20
cis-1,2-Dichloroethene	0.626	0.621		-0.8	20
Bromochloromethane	0.374	0.332		-11.23	20
Chloroform	0.971	0.969		-0.21	20
1,1,1-Trichloroethane	0.862	0.872		1.16	20
Methylcyclohexane	0.586	0.610		4.1	20
Benzene	1.370	1.445		5.47	20
1,2-Dichloroethane	0.356	0.362		1.68	20
Trichloroethene	0.354	0.402		13.56	20
1,2-Dichloropropane	0.315	0.325		3.17	20
Bromodichloromethane	0.466	0.507		8.8	20
4-Methyl-2-Pentanone	0.195	0.197		1.03	20
Toluene	0.870	0.952		9.43	20
t-1,3-Dichloropropene	0.422	0.440		4.26	20
cis-1,3-Dichloropropene	0.499	0.525		5.21	20
1,1,2-Trichloroethane	0.242	0.270		11.57	20
2-Hexanone	0.133	0.141		6.01	20
Dibromochloromethane	0.320	0.367		14.69	20
1,2-Dibromoethane	0.228	0.249		9.21	20
Tetrachloroethene	0.446	0.541		21.3	20
Chlorobenzene	1.079	1.178	0.3	9.18	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG No.: Q3032

Instrument ID: MSVOA_Y | Calibration Date/Time: 09/05/2025 09:44

Lab File ID: VY023290.D | Init. Calib. Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 14:54 16:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.856	2.009		8.24	20
m/p-Xylenes	0.725	0.805		11.03	20
o-Xylene	0.679	0.753		10.9	20
Styrene	1.110	1.265		13.96	20
Bromoform	0.214	0.249	0.1	16.35	20
Isopropylbenzene	3.529	3.766		6.72	20
1,1,2,2-Tetrachloroethane	0.603	0.599	0.3	-0.66	20
1,3-Dichlorobenzene	1.660	1.808		8.92	20
1,4-Dichlorobenzene	1.647	1.771		7.53	20
1,2-Dichlorobenzene	1.456	1.589		9.14	20
1,2-Dibromo-3-Chloropropane	0.094	0.096		2.13	20
1,2,4-Trichlorobenzene	0.861	0.965		12.08	20
1,2,3-Trichlorobenzene	0.742	0.837		12.8	20
1,2-Dichloroethane-d4	0.477	0.413		-13.42	20
Dibromofluoromethane	0.299	0.309		3.34	20
Toluene-d8	1.169	1.170		0.09	20
4-Bromofluorobenzene	0.376	0.381		1.33	20

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

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP VOA	8260D			09/08/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP VOA	8260D			09/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032

Client: Zuccaro Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SOIL-PILE-1**							
Q3032-02	SOIL-PILE-1	TCLP	2-Butanone	11.2	J	0.98	25.0	ug/L
			Total Voc :	11.2				
			Total Concentration:	11.2				
Client ID:	**SOIL-PILE-2**							
Q3032-05	SOIL-PILE-2	TCLP	2-Butanone	13.1	J	0.98	25.0	ug/L
			Total Voc :	13.1				
			Total Concentration:	13.1				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-02	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:	Date Analyzed	Prep Batch ID
VN087759.D	1	09/08/25 14:21	VN090825

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	11.2	J	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	51.9		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	8.206			
540-36-3	1,4-Difluorobenzene	396000	9.082			
3114-55-4	Chlorobenzene-d5	399000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.77			

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-05	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:	Date Analyzed	Prep Batch ID
VN087760.D	1	09/08/25 14:42	VN090825

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	13.1	J	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	55.5		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	159000	8.206			
540-36-3	1,4-Difluorobenzene	390000	9.082			
3114-55-4	Chlorobenzene-d5	381000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.77			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3032-02	SOIL-PILE-1	1,2-Dichloroethane-d4	50	51.9	104		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	50.1	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.0	96		70 (77)	130 (121)
Q3032-05	SOIL-PILE-2	1,2-Dichloroethane-d4	50	55.5	111		70 (74)	130 (125)
		Dibromofluoromethane	50	51.8	103		70 (75)	130 (124)
		Toluene-d8	50	49.5	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97		70 (77)	130 (121)
VN0908WBL01	VN0908WBL01	1,2-Dichloroethane-d4	50	52.3	105		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	48.4	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.0	92		70 (77)	130 (121)
VN0908WBS01	VN0908WBS01	1,2-Dichloroethane-d4	50	41.3	83		70 (74)	130 (125)
		Dibromofluoromethane	50	45.2	90		70 (75)	130 (124)
		Toluene-d8	50	45.1	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.1	88		70 (77)	130 (121)
VN0908WBSD0	VN0908WBSD01	1,2-Dichloroethane-d4	50	40.4	81		70 (74)	130 (125)
		Dibromofluoromethane	50	45.0	90		70 (75)	130 (124)
		Toluene-d8	50	44.3	89		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.5	89		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8260D

Client: Zuccaro Inc. **Datafile :** VN087752.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0908WBS01	Vinyl chloride	20	19.6	ug/L	98			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.7	ug/L	94			70 (74)	130 (110)	
	2-Butanone	100	84.1	ug/L	84			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.1	ug/L	101			70 (77)	130 (113)	
	Chloroform	20	18.0	ug/L	90			70 (79)	130 (113)	
	Benzene	20	18.0	ug/L	90			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.7	ug/L	89			70 (80)	130 (115)	
	Trichloroethene	20	18.4	ug/L	92			70 (77)	130 (113)	
	Tetrachloroethene	20	18.4	ug/L	92			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8260D

Client: Zuccaro Inc. **Datafile :** VN087753.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0908WBSD01	Vinyl chloride	20	19.1	ug/L	96	2		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	19.0	ug/L	95	1		70 (74)	130 (110)	20 (20)
	2-Butanone	100	83.3	ug/L	83	1		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	21.0	ug/L	105	4		70 (77)	130 (113)	20 (15)
	Chloroform	20	17.8	ug/L	89	1		70 (79)	130 (113)	20 (20)
	Benzene	20	18.6	ug/L	93	3		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.5	ug/L	93	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.5	ug/L	93	1		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	19.1	ug/L	96	4		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.8	ug/L	94	1		70 (82)	130 (109)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0908WBL01

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab File ID: VN087751.D | Lab Sample ID: VN0908WBL01

Date Analyzed: 09/08/2025 | Time Analyzed: 09:59

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0908WBS01	VN0908WBS01	VN087752.D	09/08/2025
VN0908WBSD01	VN0908WBSD01	VN087753.D	09/08/2025
SOIL-PILE-1	Q3032-02	VN087759.D	09/08/2025
SOIL-PILE-2	Q3032-05	VN087760.D	09/08/2025

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab File ID: VN087614.D | BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:30

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	67.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087619.D	08/21/2025	12:09
VSTDICC005	VSTDICC005	VN087620.D	08/21/2025	13:08
VSTDICC020	VSTDICC020	VN087621.D	08/21/2025	13:41
VSTDICCC050	VSTDICCC050	VN087622.D	08/21/2025	14:02
VSTDICC100	VSTDICC100	VN087623.D	08/21/2025	14:23
VSTDICC150	VSTDICC150	VN087624.D	08/21/2025	14:44

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ZUCC01
Lab Code: ACE
SDG NO.: Q3032
Lab File ID: VN087748.D
BFB Injection Date: 09/08/2025
Instrument ID: MSVOA_N
BFB Injection Time: 07:42
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	59.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	5.1 (7.1) 1
176	95.0 - 101.0% of mass 174	67.6 (95) 1
177	5.0 - 9.0% of mass 176	5.3 (7.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087749.D	09/08/2025	08:58
VN0908WBL01	VN0908WBL01	VN087751.D	09/08/2025	09:59
VN0908WBS01	VN0908WBS01	VN087752.D	09/08/2025	10:59
VN0908WBSD01	VN0908WBSD01	VN087753.D	09/08/2025	11:20
SOIL-PILE-1	Q3032-02	VN087759.D	09/08/2025	14:21
SOIL-PILE-2	Q3032-05	VN087760.D	09/08/2025	14:42

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: VN087749.D Date Analyzed: 09/08/2025

Instrument ID: MSVOA_N Time Analyzed: 08:58

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	264779	8.21	492400	9.08	447402	11.84
UPPER LIMIT	529558	8.706	984800	9.577	894804	12.341
LOWER LIMIT	132390	7.706	246200	8.577	223701	11.341
EPA SAMPLE NO.						
SOIL-PILE-1	173684	8.21	396253	9.08	398856	11.84
SOIL-PILE-2	159239	8.21	389686	9.08	380890	11.84
VN0908WBL01	246345	8.21	567426	9.08	531276	11.84
VN0908WBS01	258577	8.20	485156	9.08	441331	11.84
VN0908WBSD01	249385	8.21	457673	9.08	416132	11.84

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: VN087749.D Date Analyzed: 09/08/2025

Instrument ID: MSVOA_N Time Analyzed: 08:58

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	232401	13.77				
UPPER LIMIT	464802	14.27				
LOWER LIMIT	116201	13.27				
EPA SAMPLE NO.						
SOIL-PILE-1	185969	13.77				
SOIL-PILE-2	180770	13.77				
VN0908WBL01	244144	13.77				
VN0908WBS01	222091	13.77				
VN0908WBSD01	211983	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VN0908WBL01	SDG No.:	Q3032
Lab Sample ID:	VN0908WBL01	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 :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087751.D	1	09/08/25 09:59	VN090825

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	52.3		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	246000	8.206			
540-36-3	1,4-Difluorobenzene	567000	9.082			
3114-55-4	Chlorobenzene-d5	531000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.77			

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VN0908WBS01	SDG No.:	Q3032
Lab Sample ID:	VN0908WBS01	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 :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087752.D	1	09/08/25 10:59	VN090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.6		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	5.00	ug/L
78-93-3	2-Butanone	84.1		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	5.00	ug/L
67-66-3	Chloroform	18.0		0.25	5.00	ug/L
71-43-2	Benzene	18.0		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	17.7		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	5.00	ug/L
108-90-7	Chlorobenzene	18.5		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.3		70 (74) - 130 (125)	83%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	45.1		70 (86) - 130 (113)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	8.2			
540-36-3	1,4-Difluorobenzene	485000	9.082			
3114-55-4	Chlorobenzene-d5	441000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.77			

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

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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	VN0908WBSD01	SDG No.:	Q3032
Lab Sample ID:	VN0908WBSD01	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 :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087753.D	1	09/08/25 11:20	VN090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.1		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.23	5.00	ug/L
78-93-3	2-Butanone	83.3		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.0		0.25	5.00	ug/L
67-66-3	Chloroform	17.8		0.25	5.00	ug/L
71-43-2	Benzene	18.6		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.5		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	19.1		0.23	5.00	ug/L
108-90-7	Chlorobenzene	18.8		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.4		70 (74) - 130 (125)	81%	SPK: 50
1868-53-7	Dibromofluoromethane	45.0		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	44.3		70 (86) - 130 (113)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		70 (77) - 130 (121)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	8.206			
540-36-3	1,4-Difluorobenzene	458000	9.083			
3114-55-4	Chlorobenzene-d5	416000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	212000	13.771			

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

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

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.3
1,1-Dichloroethene	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.3
2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.3
Carbon Tetrachloride	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.1
Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4
Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.9
1,2-Dichloroethane	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.5
Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.5
Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.9
Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.9
1,2-Dichloroethane-d4		1.025	1.016	0.959	1.035	1.089	1.024	4.5
Dibromofluoromethane		0.369	0.344	0.334	0.373	0.386	0.361	6
Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.7
4-Bromofluorobenzene		0.446	0.454	0.450	0.514	0.540	0.481	9

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG No.: Q3032

Instrument ID: MSVOA_N | Calibration Date/Time: 09/08/2025 08:58

Lab File ID: VN087749.D | Init. Calib. Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 12:09 14:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.846	0.817		-3.43	20
1,1-Dichloroethene	0.721	0.665		-7.77	20
2-Butanone	0.734	0.601		-18.12	20
Carbon Tetrachloride	0.547	0.558		2.01	20
Chloroform	1.578	1.393		-11.72	20
Benzene	1.699	1.562		-8.06	20
1,2-Dichloroethane	0.653	0.573		-12.25	20
Trichloroethene	0.388	0.360		-7.22	20
Tetrachloroethene	0.347	0.323		-6.92	20
Chlorobenzene	1.244	1.164	0.3	-6.43	20
1,2-Dichloroethane-d4	1.024	0.897		-12.4	20
Dibromofluoromethane	0.361	0.354		-1.94	20
Toluene-d8	1.351	1.337		-1.04	20
4-Bromofluorobenzene	0.481	0.470		-2.29	20

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

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			SVOC-TCL BNA -20	8270E		09/08/25	09/08/25	
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP BNA	8270E		09/11/25	09/11/25	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			SVOC-TCL BNA -20	8270E		09/08/25	09/08/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP BNA	8270E		09/11/25	09/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032

Client: Zuccaro Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**SOIL-PILE-1**								
Q3032-01	SOIL-PILE-1	SOIL	Fluoranthene		130.000	J	36	200	ug/Kg
Q3032-01	SOIL-PILE-1	SOIL	Pyrene		92.700	J	43.2	200	ug/Kg
			Total Svoc :		**222.70**				
Q3032-01	SOIL-PILE-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	490.000	AB	0	0	ug/Kg
Q3032-01	SOIL-PILE-1	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q3032-01	SOIL-PILE-1	SOIL	E-15-Heptadecenal	*	230.000	J	0	0	ug/Kg
Q3032-01	SOIL-PILE-1	SOIL	Tridecanoic acid	*	470.000	J	0	0	ug/Kg
Q3032-01	SOIL-PILE-1	SOIL	Octadecanoic acid	*	83.700	J	0	0	ug/Kg
Q3032-01	SOIL-PILE-1	SOIL	Perylene	*	120.000	J	0	0	ug/Kg
			Total Tics :		**1,583.70**				
			Total Concentration:		**1,806.40**				
Client ID :	**SOIL-PILE-2**								
Q3032-04	SOIL-PILE-2	SOIL	Phenanthrene		1,600.000		130	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Fluoranthene		3,000.000		180	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Pyrene		2,300.000		220	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Benzo(a)anthracene		1,400.000		140	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Chrysene		1,300.000		120	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Benzo(b)fluoranthene		1,700.000		110	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Benzo(k)fluoranthene		600.000	J	130	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Benzo(a)pyrene		1,300.000		180	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Indeno(1,2,3-cd)pyrene		690.000	J	170	1000	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Benzo(g,h,i)perylene		840.000	J	150	1000	ug/Kg
			Total Svoc :		**14,730.00**				
Q3032-04	SOIL-PILE-2	SOIL	Benzo[j]fluoranthene	*	850.000	J	0	0	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	440.000	AB	0	0	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	6H-Cyclobuta[jk]phenanthrene	*	570.000	J	0	0	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Anthracene, 1,8-diethynyl-	*	400.000	J	0	0	ug/Kg
Q3032-04	SOIL-PILE-2	SOIL	Anthracene, 1-methyl-	*	480.000	J	0	0	ug/Kg
			Total Tics :		**2,740.00**				
			Total Concentration:		**17,470.00**				

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064309.D	1	09/08/25 09:30	09/08/25 16:19	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.2	U	29.2	200	ug/Kg
95-57-8	2-Chlorophenol	29.3	U	29.3	200	ug/Kg
95-48-7	2-Methylphenol	35.9	U	35.9	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45.0	UQ	45.0	200	ug/Kg
98-86-2	Acetophenone	35.4	U	35.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.4	U	49.4	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.9	U	56.9	96.1	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	22.0	U	22.0	200	ug/Kg
78-59-1	Isophorone	39.4	U	39.4	200	ug/Kg
88-75-5	2-Nitrophenol	69.9	U	69.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.8	U	77.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.0	U	37.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	34.0	U	34.0	200	ug/Kg
91-20-3	Naphthalene	27.3	U	27.3	200	ug/Kg
106-47-8	4-Chloroaniline	42.5	UQ	42.5	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.4	U	30.4	200	ug/Kg
105-60-2	Caprolactam	62.6	U	62.6	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.5	U	34.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.7	U	30.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.8	U	23.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.9	U	34.9	200	ug/Kg
92-52-4	1,1-Biphenyl	26.2	U	26.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	27.0	U	27.0	200	ug/Kg
88-74-4	2-Nitroaniline	57.8	U	57.8	200	ug/Kg
131-11-3	Dimethylphthalate	32.5	U	32.5	200	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064309.D	1	09/08/25 09:30	09/08/25 16:19	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.7	U	34.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.4	U	40.4	200	ug/Kg
99-09-2	3-Nitroaniline	55.2	U	55.2	200	ug/Kg
83-32-9	Acenaphthene	25.6	U	25.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.3	U	27.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.2	U	60.2	200	ug/Kg
84-66-2	Diethylphthalate	34.0	U	34.0	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.1	U	32.1	200	ug/Kg
86-73-7	Fluorene	30.4	U	30.4	200	ug/Kg
100-01-6	4-Nitroaniline	77.1	U	77.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.5	U	39.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.4	U	33.4	200	ug/Kg
118-74-1	Hexachlorobenzene	30.4	U	30.4	200	ug/Kg
1912-24-9	Atrazine	40.8	U	40.8	200	ug/Kg
87-86-5	Pentachlorophenol	61.6	U	61.6	400	ug/Kg
85-01-8	Phenanthrene	25.1	U	25.1	200	ug/Kg
120-12-7	Anthracene	40.0	U	40.0	200	ug/Kg
86-74-8	Carbazole	37.5	U	37.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.5	U	57.5	200	ug/Kg
206-44-0	Fluoranthene	130	J	36.0	200	ug/Kg
129-00-0	Pyrene	92.7	J	43.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.7	U	85.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	44.1	UQ	44.1	400	ug/Kg
56-55-3	Benzo(a)anthracene	27.6	U	27.6	200	ug/Kg
218-01-9	Chrysene	23.9	U	23.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	71.1	U	71.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.8	U	22.8	200	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064309.D	1	09/08/25 09:30	09/08/25 16:19	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.9	U	26.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.4	U	35.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.9	U	34.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.9	U	32.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.9	U	30.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.7	U	30.7	200	ug/Kg
123-91-1	1,4-Dioxane	54.3	U	54.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.9	U	32.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	122		30 (18) - 130 (112)	81%	SPK: 150
13127-88-3	Phenol-d6	115		30 (15) - 130 (107)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.5		30 (18) - 130 (107)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		30 (20) - 130 (109)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		30 (10) - 130 (116)	100%	SPK: 150
1718-51-0	Terphenyl-d14	78.2		30 (10) - 130 (105)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	31000	7.852			
1146-65-2	Naphthalene-d8	128000	10.636			
15067-26-2	Acenaphthene-d10	87700	14.473			
1517-22-2	Phenanthrene-d10	217000	17.217			
1719-03-5	Chrysene-d12	236000	21.447			
1520-96-3	Perylene-d12	268000	24.456			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	490	AB		4.97	ug/Kg
000119-61-9	Benzophenone	190	J		15.8	ug/Kg
000638-53-9	Tridecanoic acid	470	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	83.7	J		19.4	ug/Kg
1000130-97-9	E-15-Heptadecenal	230	J		21.1	ug/Kg
000198-55-0	Perylene	120	J		23.5	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064309.D	1	09/08/25 09:30	09/08/25 16:19	PB169593

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064312.D	5	09/08/25 09:30	09/08/25 18:22	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	940	U	940	2000	ug/Kg
108-95-2	Phenol	130	U	130	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	1000	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	1000	ug/Kg
95-48-7	2-Methylphenol	180	U	180	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	230	UQ	230	1000	ug/Kg
98-86-2	Acetophenone	180	U	180	1000	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	280	U	280	480	ug/Kg
67-72-1	Hexachloroethane	110	U	110	1000	ug/Kg
98-95-3	Nitrobenzene	110	U	110	1000	ug/Kg
78-59-1	Isophorone	200	U	200	1000	ug/Kg
88-75-5	2-Nitrophenol	350	U	350	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	390	U	390	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	180	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	170	1000	ug/Kg
91-20-3	Naphthalene	140	U	140	1000	ug/Kg
106-47-8	4-Chloroaniline	210	UQ	210	1000	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	1000	ug/Kg
105-60-2	Caprolactam	310	U	310	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	1000	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	150	1000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	700	U	700	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	170	1000	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	1000	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	140	1000	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	1000	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	1000	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064312.D	5	09/08/25 09:30	09/08/25 18:22	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	170	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	200	1000	ug/Kg
99-09-2	3-Nitroaniline	280	U	280	1000	ug/Kg
83-32-9	Acenaphthene	130	U	130	1000	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	U	1400	2000	ug/Kg
100-02-7	4-Nitrophenol	640	U	640	2000	ug/Kg
132-64-9	Dibenzofuran	140	U	140	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	300	U	300	1000	ug/Kg
84-66-2	Diethylphthalate	170	U	170	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	160	1000	ug/Kg
86-73-7	Fluorene	150	U	150	1000	ug/Kg
100-01-6	4-Nitroaniline	390	U	390	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	620	U	620	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	200	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	170	1000	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	1000	ug/Kg
1912-24-9	Atrazine	200	U	200	1000	ug/Kg
87-86-5	Pentachlorophenol	310	U	310	2000	ug/Kg
85-01-8	Phenanthrene	1600		130	1000	ug/Kg
120-12-7	Anthracene	200	U	200	1000	ug/Kg
86-74-8	Carbazole	190	U	190	1000	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	1000	ug/Kg
206-44-0	Fluoranthene	3000		180	1000	ug/Kg
129-00-0	Pyrene	2300		220	1000	ug/Kg
85-68-7	Butylbenzylphthalate	430	U	430	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	UQ	220	2000	ug/Kg
56-55-3	Benzo(a)anthracene	1400		140	1000	ug/Kg
218-01-9	Chrysene	1300		120	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	360	U	360	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	520	U	520	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		110	1000	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064312.D	5	09/08/25 09:30	09/08/25 18:22	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	600	J	130	1000	ug/Kg
50-32-8	Benzo(a)pyrene	1300		180	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	690	J	170	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	840	J	150	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	1000	ug/Kg
123-91-1	1,4-Dioxane	270	U	270	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	160	1000	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		30 (18) - 130 (112)	72%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.3		30 (18) - 130 (107)	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.4		30 (20) - 130 (109)	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 (10) - 130 (116)	87%	SPK: 150
1718-51-0	Terphenyl-d14	55.5		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	23600	7.848			
1146-65-2	Naphthalene-d8	100000	10.633			
15067-26-2	Acenaphthene-d10	71100	14.475			
1517-22-2	Phenanthrene-d10	170000	17.213			
1719-03-5	Chrysene-d12	196000	21.444			
1520-96-3	Perylene-d12	214000	24.458			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	440	AB		4.97	ug/Kg
000610-48-0	Anthracene, 1-methyl-	480	J		18.1	ug/Kg
083469-43-6	6H-Cyclobuta[jk]phenanthrene	570	J		18.3	ug/Kg
078053-58-4	Anthracene, 1,8-diethynyl-	400	J		21.1	ug/Kg
000205-82-3	Benzo[j]fluoranthene	850	J		24.2	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064312.D	5	09/08/25 09:30	09/08/25 18:22	PB169593

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

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

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169593BL	PB169593BL	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	128	86		30 (15)	130 (107)
		Nitrobenzene-d5	100	99.4	99		30 (18)	130 (107)
		2-Fluorobiphenyl	100	96.1	96		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	174	116		30 (10)	130 (116)
		Terphenyl-d14	100	100	100		30 (10)	130 (105)
PB169593BS	PB169593BS	2-Fluorophenol	150	126	84		30 (18)	130 (112)
		Phenol-d6	150	123	82		30 (15)	130 (107)
		Nitrobenzene-d5	100	88.3	88		30 (18)	130 (107)
		2-Fluorobiphenyl	100	88.0	88		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	153	102		30 (10)	130 (116)
		Terphenyl-d14	100	91.4	91		30 (10)	130 (105)
Q3032-01	SOIL-PILE-1	2-Fluorophenol	150	122	81		30 (18)	130 (112)
		Phenol-d6	150	115	77		30 (15)	130 (107)
		Nitrobenzene-d5	100	81.5	81		30 (18)	130 (107)
		2-Fluorobiphenyl	100	78.8	79		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	150	100		30 (10)	130 (116)
		Terphenyl-d14	100	78.2	78		30 (10)	130 (105)
Q3032-01MS	SOIL-PILE-1MS	2-Fluorophenol	150	119	80		30 (18)	130 (112)
		Phenol-d6	150	112	75		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.9	77		30 (18)	130 (107)
		2-Fluorobiphenyl	100	70.0	70		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	141	94		30 (10)	130 (116)
		Terphenyl-d14	100	72.5	72		30 (10)	130 (105)
Q3032-01MSD	SOIL-PILE-1MSD	2-Fluorophenol	150	116	78		30 (18)	130 (112)
		Phenol-d6	150	110	73		30 (15)	130 (107)
		Nitrobenzene-d5	100	75.9	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	71.0	71		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	142	95		30 (10)	130 (116)
		Terphenyl-d14	100	72.7	73		30 (10)	130 (105)
Q3032-04	SOIL-PILE-2	2-Fluorophenol	150	108	72		30 (18)	130 (112)
		Phenol-d6	150	104	70		30 (15)	130 (107)
		Nitrobenzene-d5	100	71.3	71		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.4	58		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	131	87		30 (10)	130 (116)
		Terphenyl-d14	100	55.5	56		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8270E

Client: Zuccaro Inc. **DataFile:** BG064310.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3032-01MS		**Client Sample ID: SOIL-PILE-1MS**									
Benzaldehyde	2000	0	1300	ug/Kg	65				20 (10)	160 (171)	
Phenol	2000	0	1800	ug/Kg	90				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	2000	0	1500	ug/Kg	75				70 (54)	130 (125)	
2-Chlorophenol	2000	0	1800	ug/Kg	90				70 (51)	130 (121)	
2-Methylphenol	2000	0	1700	ug/Kg	85				70 (47)	130 (125)	
2,2-oxybis(1-Chloropropane)	2000	0	1300	ug/Kg	65	*			70 (46)	130 (119)	
Acetophenone	2000	0	1900	ug/Kg	95				70 (55)	130 (128)	
3+4-Methylphenols	2000	0	1600	ug/Kg	80				20 (49)	160 (125)	
N-Nitroso-di-n-propylamine	2000	0	1500	ug/Kg	75				70 (59)	130 (119)	
Hexachloroethane	2000	0	1800	ug/Kg	90				20 (51)	160 (116)	
Nitrobenzene	2000	0	1700	ug/Kg	85				70 (47)	130 (124)	
Isophorone	2000	0	1600	ug/Kg	80				70 (49)	130 (127)	
2-Nitrophenol	2000	0	1900	ug/Kg	95				70 (43)	130 (131)	
2,4-Dimethylphenol	2000	0	2000	ug/Kg	100				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	2000	0	1600	ug/Kg	80				70 (51)	130 (119)	
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95				70 (50)	130 (122)	
Naphthalene	2000	0	1800	ug/Kg	90				70 (51)	130 (121)	
4-Chloroaniline	2000	0	590	ug/Kg	29	*			70 (10)	130 (100)	
Hexachlorobutadiene	2000	0	2000	ug/Kg	100				70 (44)	130 (126)	
Caprolactam	2000	0	1500	ug/Kg	75				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90				70 (57)	130 (132)	
2-Methylnaphthalene	2000	0	1600	ug/Kg	80				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4000	0	5100	ug/Kg	128				20 (10)	160 (175)	
2,4,6-Trichlorophenol	2000	0	1900	ug/Kg	95				70 (33)	130 (141)	
2,4,5-Trichlorophenol	2000	0	2000	ug/Kg	100				70 (38)	130 (135)	
1,1-Biphenyl	2000	0	1900	ug/Kg	95				70 (55)	130 (131)	
2-Chloronaphthalene	2000	0	1800	ug/Kg	90				70 (48)	130 (124)	
2-Nitroaniline	2000	0	1800	ug/Kg	90				70 (47)	130 (134)	
Dimethylphthalate	2000	0	1600	ug/Kg	80				70 (54)	130 (120)	
Acenaphthylene	2000	0	2000	ug/Kg	100				70 (57)	130 (125)	
2,6-Dinitrotoluene	2000	0	2000	ug/Kg	100				70 (48)	130 (127)	
3-Nitroaniline	2000	0	1000	ug/Kg	50	*			70 (10)	130 (112)	
Acenaphthene	2000	0	1700	ug/Kg	85				70 (70)	130 (121)	
2,4-Dinitrophenol	4000	0	3500	ug/Kg	88				20 (10)	160 (155)	
4-Nitrophenol	4000	0	3900	ug/Kg	98				20 (10)	160 (175)	
Dibenzofuran	2000	0	1800	ug/Kg	90				70 (52)	130 (114)	
2,4-Dinitrotoluene	2000	0	2000	ug/Kg	100				70 (41)	130 (140)	
Diethylphthalate	2000	0	1700	ug/Kg	85				70 (51)	130 (119)	
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90				70 (48)	130 (122)	
Fluorene	2000	0	1800	ug/Kg	90				70 (53)	130 (118)	
4-Nitroaniline	2000	0	1800	ug/Kg	90				70 (29)	130 (140)	
4,6-Dinitro-2-methylphenol	2000	0	1900	ug/Kg	95				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2000	0	1800	ug/Kg	90				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2000	0	1900	ug/Kg	95				70 (65)	130 (121)	
Hexachlorobenzene	2000	0	2000	ug/Kg	100				70 (67)	130 (118)	
Atrazine	2000	0	2000	ug/Kg	100				70 (45)	130 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8270E

Client: Zuccaro Inc. **DataFile:** BG064310.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4000	0	4400	ug/Kg	110				20 (13)	160 (153)	
Phenanthrene	2000	0	1900	ug/Kg	95				70 (52)	130 (128)	
Anthracene	2000	0	1900	ug/Kg	95				70 (62)	130 (124)	
Carbazole	2000	0	1900	ug/Kg	95				70 (59)	130 (119)	
Di-n-butylphthalate	2000	0	1900	ug/Kg	95				70 (55)	130 (125)	
Fluoranthene	2000	130	2000	ug/Kg	94				70 (44)	130 (125)	
Pyrene	2000	92.7	1800	ug/Kg	85				70 (37)	130 (122)	
Butylbenzylphthalate	2000	0	1900	ug/Kg	95				70 (44)	130 (135)	
3,3-Dichlorobenzidine	2000	0	840	ug/Kg	42	*			70 (15)	130 (112)	
Benzo(a)anthracene	2000	0	1900	ug/Kg	95				70 (53)	130 (119)	
Chrysene	2000	0	1800	ug/Kg	90				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2000	0	1800	ug/Kg	90				70 (42)	130 (169)	
Di-n-octyl phthalate	2000	0	1800	ug/Kg	90				70 (51)	130 (156)	
Benzo(b)fluoranthene	2000	0	1900	ug/Kg	95				70 (52)	130 (117)	
Benzo(k)fluoranthene	2000	0	1900	ug/Kg	95				70 (57)	130 (134)	
Benzo(a)pyrene	2000	0	2000	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2000	0	1900	ug/Kg	95				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2000	0	2200	ug/Kg	110				70 (52)	130 (134)	
1,4-Dioxane	2000	0	1400	ug/Kg	70				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2000	0	2100	ug/Kg	105				70 (24)	130 (146)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8270E

Client: Zuccaro Inc. **DataFile:** BG064311.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q3032-01MSD		**Client Sample ID: SOIL-PILE-1MSD**									
Benzaldehyde	2000	0	1300	ug/Kg	65		0		20 (10)	160 (171)	30 (20)
Phenol	2000	0	1700	ug/Kg	85		6		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	2000	0	1500	ug/Kg	75		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2000	0	1800	ug/Kg	90		0		70 (51)	130 (121)	30 (20)
2-Methylphenol	2000	0	1600	ug/Kg	80		6		70 (47)	130 (125)	30 (20)
2,2-oxybis(1-Chloropropane)	2000	0	1300	ug/Kg	65	*	0		70 (46)	130 (119)	30 (20)
Acetophenone	2000	0	1900	ug/Kg	95		0		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	2000	0	1600	ug/Kg	80		0		20 (49)	160 (125)	30 (20)
N-Nitroso-di-n-propylamine	2000	0	1500	ug/Kg	75		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2000	0	1800	ug/Kg	90		0		20 (51)	160 (116)	30 (20)
Nitrobenzene	2000	0	1700	ug/Kg	85		0		70 (47)	130 (124)	30 (20)
Isophorone	2000	0	1500	ug/Kg	75		6		70 (49)	130 (127)	30 (20)
2-Nitrophenol	2000	0	1900	ug/Kg	95		0		70 (43)	130 (131)	30 (20)
2,4-Dimethylphenol	2000	0	1900	ug/Kg	95		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	2000	0	1500	ug/Kg	75		6		70 (51)	130 (119)	30 (20)
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95		0		70 (50)	130 (122)	30 (20)
Naphthalene	2000	0	1700	ug/Kg	85		6		70 (51)	130 (121)	30 (20)
4-Chloroaniline	2000	0	630	ug/Kg	32	*	10		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	2000	0	2100	ug/Kg	105		5		70 (44)	130 (126)	30 (20)
Caprolactam	2000	0	1600	ug/Kg	80		6		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2000	0	1600	ug/Kg	80		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4000	0	4900	ug/Kg	123		4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2000	0	2000	ug/Kg	100		5		70 (33)	130 (141)	30 (20)
2,4,5-Trichlorophenol	2000	0	2000	ug/Kg	100		0		70 (38)	130 (135)	30 (20)
1,1-Biphenyl	2000	0	2000	ug/Kg	100		5		70 (55)	130 (131)	30 (20)
2-Chloronaphthalene	2000	0	1800	ug/Kg	90		0		70 (48)	130 (124)	30 (20)
2-Nitroaniline	2000	0	1900	ug/Kg	95		5		70 (47)	130 (134)	30 (20)
Dimethylphthalate	2000	0	1700	ug/Kg	85		6		70 (54)	130 (120)	30 (20)
Acenaphthylene	2000	0	2000	ug/Kg	100		0		70 (57)	130 (125)	30 (20)
2,6-Dinitrotoluene	2000	0	2000	ug/Kg	100		0		70 (48)	130 (127)	30 (20)
3-Nitroaniline	2000	0	1100	ug/Kg	55	*	10		70 (10)	130 (112)	30 (20)
Acenaphthene	2000	0	1700	ug/Kg	85		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4000	0	3200	ug/Kg	80		10		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4000	0	3900	ug/Kg	98		0		20 (10)	160 (175)	30 (20)
Dibenzofuran	2000	0	1800	ug/Kg	90		0		70 (52)	130 (114)	30 (20)
2,4-Dinitrotoluene	2000	0	2000	ug/Kg	100		0		70 (41)	130 (140)	30 (20)
Diethylphthalate	2000	0	1700	ug/Kg	85		0		70 (51)	130 (119)	30 (20)
4-Chlorophenyl-phenylether	2000	0	1900	ug/Kg	95		5		70 (48)	130 (122)	30 (20)
Fluorene	2000	0	1800	ug/Kg	90		0		70 (53)	130 (118)	30 (20)
4-Nitroaniline	2000	0	1700	ug/Kg	85		6		70 (29)	130 (140)	30 (20)
4,6-Dinitro-2-methylphenol	2000	0	1800	ug/Kg	90		5		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2000	0	1700	ug/Kg	85		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2000	0	1900	ug/Kg	95		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2000	0	1900	ug/Kg	95		5		70 (67)	130 (118)	30 (20)
Atrazine	2000	0	1900	ug/Kg	95		5		70 (45)	130 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8270E

Client: Zuccaro Inc. **DataFile:** BG064311.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	4000	0	4400	ug/Kg	110		0		20 (13)	160 (153)	30 (20)
Phenanthrene	2000	0	1800	ug/Kg	90		5		70 (52)	130 (128)	30 (20)
Anthracene	2000	0	1800	ug/Kg	90		5		70 (62)	130 (124)	30 (20)
Carbazole	2000	0	1800	ug/Kg	90		5		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2000	0	1800	ug/Kg	90		5		70 (55)	130 (125)	30 (20)
Fluoranthene	2000	130	1900	ug/Kg	89		5		70 (44)	130 (125)	30 (20)
Pyrene	2000	92.7	1800	ug/Kg	85		0		70 (37)	130 (122)	30 (20)
Butylbenzylphthalate	2000	0	1900	ug/Kg	95		0		70 (44)	130 (135)	30 (20)
3,3-Dichlorobenzidine	2000	0	850	ug/Kg	43	*	2		70 (15)	130 (112)	30 (20)
Benzo(a)anthracene	2000	0	1900	ug/Kg	95		0		70 (53)	130 (119)	30 (20)
Chrysene	2000	0	1800	ug/Kg	90		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2000	0	1800	ug/Kg	90		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2000	0	1800	ug/Kg	90		0		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	2000	0	1800	ug/Kg	90		5		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	2000	0	1900	ug/Kg	95		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2000	0	1900	ug/Kg	95		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2000	0	1900	ug/Kg	95		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2000	0	2200	ug/Kg	110		0		70 (52)	130 (134)	30 (20)
1,4-Dioxane	2000	0	1400	ug/Kg	70		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2000	0	2100	ug/Kg	105		0		70 (24)	130 (146)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8270E

Client: Zuccaro Inc. **DataFile:** BG064331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169593BS	Benzaldehyde	1700	650	ug/Kg	38				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1000	ug/Kg	59		*		70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1300	ug/Kg	76				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1300	ug/Kg	76				70 (59)	130 (99)	
	2-Nitrophenol	1700	1600	ug/Kg	94				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	920	ug/Kg	54		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1700	ug/Kg	100				70 (53)	130 (98)	
	Caprolactam	1700	1300	ug/Kg	76				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5000	ug/Kg	152				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				70 (61)	130 (104)	
	3-Nitroaniline	1700	1200	ug/Kg	71				70 (28)	130 (100)	
	Acenaphthene	1700	1400	ug/Kg	82				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				20 (37)	160 (128)	
	4-Nitrophenol	3300	3100	ug/Kg	94				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				70 (66)	130 (102)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8270E

Client: Zuccaro Inc. **DataFile:** BG064331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169593BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1600	ug/Kg	94				70 (47)	130 (152)	
	Pentachlorophenol	3300	3600	ug/Kg	109				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1500	ug/Kg	88				70 (61)	130 (105)	
	Carbazole	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1000	ug/Kg	59				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169593BL

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab File ID: BG064330.D | Lab Sample ID: PB169593BL

Instrument ID: BNA_G | Date Extracted: 09/08/2025

Matrix: (soil/water) SOIL | Date Analyzed: 09/10/2025

Level: (low/med) LOW | Time Analyzed: 13:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169593BS	PB169593BS	BG064331.D	09/10/2025
SOIL-PILE-1	Q3032-01	BG064309.D	09/08/2025
SOIL-PILE-1MS	Q3032-01MS	BG064310.D	09/08/2025
SOIL-PILE-1MSD	Q3032-01MSD	BG064311.D	09/08/2025
SOIL-PILE-2	Q3032-04	BG064312.D	09/08/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: BG064217.D DFTPP Injection Date: 08/28/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	34.7
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	90.8
443	15.0 - 24.0% of mass 442	17 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064218.D	08/28/2025	10:51
SSTDICC005	SSTDICC005	BG064219.D	08/28/2025	11:32
SSTDICC010	SSTDICC010	BG064220.D	08/28/2025	12:12
SSTDICC020	SSTDICC020	BG064221.D	08/28/2025	12:53
SSTDICCC040	SSTDICCC040	BG064222.D	08/28/2025	13:33
SSTDICC050	SSTDICC050	BG064223.D	08/28/2025	14:55
SSTDICC060	SSTDICC060	BG064224.D	08/28/2025	15:35
SSTDICC080	SSTDICC080	BG064225.D	08/28/2025	16:16

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: BG064300.D DFTPP Injection Date: 09/08/2025

Instrument ID: BNA_G DFTPP Injection Time: 09:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (0.9) 1
69	Mass 69 relative abundance	34
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
365	Greater than 1% of mass 198	5.8
441	Present, but less than mass 443	11
442	Greater than 50% of mass 198	96.9
443	15.0 - 24.0% of mass 442	18 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064301.D	09/08/2025	10:26
SOIL-PILE-1	Q3032-01	BG064309.D	09/08/2025	16:19
SOIL-PILE-1MS	Q3032-01MS	BG064310.D	09/08/2025	17:00
SOIL-PILE-1MSD	Q3032-01MSD	BG064311.D	09/08/2025	17:41
SOIL-PILE-2	Q3032-04	BG064312.D	09/08/2025	18:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: BG064328.D DFTPP Injection Date: 09/10/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.1 (0.3) 1
69	Mass 69 relative abundance	33.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	6.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	97.9
443	15.0 - 24.0% of mass 442	19.8 (20.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064329.D	09/10/2025	12:37
PB169593BL	PB169593BL	BG064330.D	09/10/2025	13:18
PB169593BS	PB169593BS	BG064331.D	09/10/2025	13:58

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3032

Client ID : SSTDCCC040 Date Analyzed: 09/08/2025

Lab File ID: BG064301.D Time Analyzed: 10:26

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	22540	7.847	98292	10.64	71497	14.48
	UPPER LIMIT	45080	8.347	196584	11.138	142994	14.975
	LOWER LIMIT	11270	7.347	49146	10.138	35748.5	13.975
	EPA SAMPLE NO.						
01	SOIL-PILE-1	30958	7.85	128379	10.64	87714	14.47
02	SOIL-PILE-1MS	27870	7.85	120718	10.64	87528	14.47
03	SOIL-PILE-1MSD	27418	7.85	118432	10.64	85135	14.47
04	SOIL-PILE-2	23608	7.85	100404	10.63	71106	14.48

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3032

Client ID: SSTDCCC040 Date Analyzed: 09/08/2025

Lab File ID: BG064301.D Time Analyzed: 10:26

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	172801	17.213	186770	21.449	203030	24.451
	UPPER LIMIT	345602	17.713	373540	21.949	406060	24.951
	LOWER LIMIT	86400.5	16.713	93385	20.949	101515	23.951
	EPA SAMPLE NO.						
01	SOIL-PILE-1	216909	17.22	236168	21.45	267983	24.46
02	SOIL-PILE-1MS	206725	17.22	233045	21.45	259001	24.46
03	SOIL-PILE-1MSD	210434	17.22	229459	21.45	254609	24.46
04	SOIL-PILE-2	169678	17.21	196040	21.44	213880	24.46

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3032

Client ID : SSTDCCC040 Date Analyzed: 09/10/2025

Lab File ID: BG064329.D Time Analyzed: 12:37

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	27684	7.846	118232	10.63	85027	14.47
	UPPER LIMIT	55368	8.346	236464	11.131	170054	14.968
	LOWER LIMIT	13842	7.346	59116	10.131	42513.5	13.968
	EPA SAMPLE NO.						
01	PB169593BL	23634	7.84	95435	10.63	68731	14.47
02	PB169593BS	23229	7.85	98242	10.63	69463	14.47

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3032

Client ID: SSTDCCC040 Date Analyzed: 09/10/2025

Lab File ID: BG064329.D Time Analyzed: 12:37

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	196821	17.211	218500	21.442	236667	24.438
	UPPER LIMIT	393642	17.711	437000	21.942	473334	24.938
	LOWER LIMIT	98410.5	16.711	109250	20.942	118334	23.938
	EPA SAMPLE NO.						
01	PB169593BL	174502	17.21	194396	21.43	213111	24.44
02	PB169593BS	167983	17.21	181826	21.44	201546	24.44

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169593BL	SDG No.:	Q3032
Lab Sample ID:	PB169593BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064330.D	1	09/08/25 09:30	09/10/25 13:18	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169593BL	SDG No.:	Q3032
Lab Sample ID:	PB169593BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064330.D	1	09/08/25 09:30	09/10/25 13:18	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169593BL	SDG No.:	Q3032
Lab Sample ID:	PB169593BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064330.D	1	09/08/25 09:30	09/10/25 13:18	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	128		30 (15) - 130 (107)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.4		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.1		30 (20) - 130 (109)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174		30 (10) - 130 (116)	116%	SPK: 150
1718-51-0	Terphenyl-d14	100		30 (10) - 130 (105)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	23600	7.843			
1146-65-2	Naphthalene-d8	95400	10.633			
15067-26-2	Acenaphthene-d10	68700	14.47			
1517-22-2	Phenanthrene-d10	175000	17.208			
1719-03-5	Chrysene-d12	194000	21.432			
1520-96-3	Perylene-d12	213000	24.435			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	400	A		4.96	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.			Date Collected:	
Project:	3 Coal Ave., Morristown, NJ			Date Received:	
Client Sample ID:	PB169593BL			SDG No.:	Q3032
Lab Sample ID:	PB169593BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BG064330.D	1	09/08/25 09:30	09/10/25 13:18	PB169593

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169593BS	SDG No.:	Q3032
Lab Sample ID:	PB169593BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064331.D	1	09/08/25 09:30	09/10/25 13:58	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	650		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1300		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	920		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1700		25.3	170	ug/Kg
105-60-2	Caprolactam	1300		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5000	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169593BS	SDG No.:	Q3032
Lab Sample ID:	PB169593BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064331.D	1	09/08/25 09:30	09/10/25 13:58	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1200		46.0	170	ug/Kg
83-32-9	Acenaphthene	1400		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1600		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3600	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169593BS	SDG No.:	Q3032
Lab Sample ID:	PB169593BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064331.D	1	09/08/25 09:30	09/10/25 13:58	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1000		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		30 (18) - 130 (112)	84%	SPK: 150
13127-88-3	Phenol-d6	123		30 (15) - 130 (107)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.3		30 (18) - 130 (107)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.0		30 (20) - 130 (109)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	153		30 (10) - 130 (116)	102%	SPK: 150
1718-51-0	Terphenyl-d14	91.4		30 (10) - 130 (105)	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	23200	7.847			
1146-65-2	Naphthalene-d8	98200	10.632			
15067-26-2	Acenaphthene-d10	69500	14.469			
1517-22-2	Phenanthrene-d10	168000	17.212			
1719-03-5	Chrysene-d12	182000	21.443			
1520-96-3	Perylene-d12	202000	24.439			

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064310.D	1	09/08/25 09:30	09/08/25 17:00	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		190	400	ug/Kg
108-95-2	Phenol	1800		26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		29.2	200	ug/Kg
95-57-8	2-Chlorophenol	1800		29.3	200	ug/Kg
95-48-7	2-Methylphenol	1700		35.9	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		45.0	200	ug/Kg
98-86-2	Acetophenone	1900		35.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		49.3	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		56.9	96.0	ug/Kg
67-72-1	Hexachloroethane	1800		21.1	200	ug/Kg
98-95-3	Nitrobenzene	1700		22.0	200	ug/Kg
78-59-1	Isophorone	1600		39.4	200	ug/Kg
88-75-5	2-Nitrophenol	1900		69.8	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		77.7	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		37.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		34.0	200	ug/Kg
91-20-3	Naphthalene	1800		27.2	200	ug/Kg
106-47-8	4-Chloroaniline	590		42.5	200	ug/Kg
87-68-3	Hexachlorobutadiene	2000		30.4	200	ug/Kg
105-60-2	Caprolactam	1500		62.5	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		34.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	1600		30.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5100	E	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		23.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		34.9	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		26.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.0	200	ug/Kg
88-74-4	2-Nitroaniline	1800		57.7	200	ug/Kg
131-11-3	Dimethylphthalate	1600		32.5	200	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064310.D	1	09/08/25 09:30	09/08/25 17:00	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2000		34.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		40.3	200	ug/Kg
99-09-2	3-Nitroaniline	1000		55.2	200	ug/Kg
83-32-9	Acenaphthene	1700		25.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	270	400	ug/Kg
100-02-7	4-Nitrophenol	3900	E	130	400	ug/Kg
132-64-9	Dibenzofuran	1800		27.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		60.1	200	ug/Kg
84-66-2	Diethylphthalate	1700		34.0	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		32.0	200	ug/Kg
86-73-7	Fluorene	1800		30.4	200	ug/Kg
100-01-6	4-Nitroaniline	1800		77.0	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		39.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		33.4	200	ug/Kg
118-74-1	Hexachlorobenzene	2000		30.4	200	ug/Kg
1912-24-9	Atrazine	2000		40.8	200	ug/Kg
87-86-5	Pentachlorophenol	4400	E	61.5	400	ug/Kg
85-01-8	Phenanthrene	1900		25.1	200	ug/Kg
120-12-7	Anthracene	1900		40.0	200	ug/Kg
86-74-8	Carbazole	1900		37.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		57.5	200	ug/Kg
206-44-0	Fluoranthene	2000		36.0	200	ug/Kg
129-00-0	Pyrene	1800		43.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	1900		85.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	840		44.0	400	ug/Kg
56-55-3	Benzo(a)anthracene	1900		27.6	200	ug/Kg
218-01-9	Chrysene	1800		23.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		71.0	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.8	200	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064310.D	1	09/08/25 09:30	09/08/25 17:00	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		26.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	2000		35.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		34.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		32.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		30.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		30.7	200	ug/Kg
123-91-1	1,4-Dioxane	1400		54.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100		32.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	119		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	112		30 (15) - 130 (107)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.9		30 (18) - 130 (107)	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.0		30 (20) - 130 (109)	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		30 (10) - 130 (116)	94%	SPK: 150
1718-51-0	Terphenyl-d14	72.5		30 (10) - 130 (105)	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	27900	7.852			
1146-65-2	Naphthalene-d8	121000	10.637			
15067-26-2	Acenaphthene-d10	87500	14.473			
1517-22-2	Phenanthrene-d10	207000	17.217			
1719-03-5	Chrysene-d12	233000	21.453			
1520-96-3	Perylene-d12	259000	24.462			

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

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064311.D	1	09/08/25 09:30	09/08/25 17:41	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		190	400	ug/Kg
108-95-2	Phenol	1700		26.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		29.2	200	ug/Kg
95-57-8	2-Chlorophenol	1800		29.3	200	ug/Kg
95-48-7	2-Methylphenol	1600		35.9	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		45.1	200	ug/Kg
98-86-2	Acetophenone	1900		35.5	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		49.4	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		57.0	96.1	ug/Kg
67-72-1	Hexachloroethane	1800		21.2	200	ug/Kg
98-95-3	Nitrobenzene	1700		22.0	200	ug/Kg
78-59-1	Isophorone	1500		39.4	200	ug/Kg
88-75-5	2-Nitrophenol	1900		69.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		77.9	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		37.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		34.0	200	ug/Kg
91-20-3	Naphthalene	1700		27.3	200	ug/Kg
106-47-8	4-Chloroaniline	630		42.5	200	ug/Kg
87-68-3	Hexachlorobutadiene	2100		30.4	200	ug/Kg
105-60-2	Caprolactam	1600		62.6	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		34.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	1600		30.8	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4900	E	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		35.0	200	ug/Kg
92-52-4	1,1-Biphenyl	2000		26.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.0	200	ug/Kg
88-74-4	2-Nitroaniline	1900		57.8	200	ug/Kg
131-11-3	Dimethylphthalate	1700		32.6	200	ug/Kg

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064311.D	1	09/08/25 09:30	09/08/25 17:41	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2000		34.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		40.4	200	ug/Kg
99-09-2	3-Nitroaniline	1100		55.3	200	ug/Kg
83-32-9	Acenaphthene	1700		25.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3200		280	400	ug/Kg
100-02-7	4-Nitrophenol	3900	E	130	400	ug/Kg
132-64-9	Dibenzofuran	1800		27.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		60.2	200	ug/Kg
84-66-2	Diethylphthalate	1700		34.0	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		32.1	200	ug/Kg
86-73-7	Fluorene	1800		30.4	200	ug/Kg
100-01-6	4-Nitroaniline	1700		77.2	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		39.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		33.4	200	ug/Kg
118-74-1	Hexachlorobenzene	1900		30.4	200	ug/Kg
1912-24-9	Atrazine	1900		40.9	200	ug/Kg
87-86-5	Pentachlorophenol	4400	E	61.7	400	ug/Kg
85-01-8	Phenanthrene	1800		25.1	200	ug/Kg
120-12-7	Anthracene	1800		40.0	200	ug/Kg
86-74-8	Carbazole	1800		37.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	1800		57.6	200	ug/Kg
206-44-0	Fluoranthene	1900		36.1	200	ug/Kg
129-00-0	Pyrene	1800		43.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	1900		85.8	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	850		44.1	400	ug/Kg
56-55-3	Benzo(a)anthracene	1900		27.6	200	ug/Kg
218-01-9	Chrysene	1800		23.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		71.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		22.8	200	ug/Kg

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Report of Analysis

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Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064311.D	1	09/08/25 09:30	09/08/25 17:41	PB169593

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		26.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	1900		35.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		35.0	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		32.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		30.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		30.8	200	ug/Kg
123-91-1	1,4-Dioxane	1400		54.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100		32.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	116		30 (18) - 130 (112)	78%	SPK: 150
13127-88-3	Phenol-d6	110		30 (15) - 130 (107)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.9		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.0		30 (20) - 130 (109)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	72.7		30 (10) - 130 (105)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	27400	7.853			
1146-65-2	Naphthalene-d8	118000	10.638			
15067-26-2	Acenaphthene-d10	85100	14.474			
1517-22-2	Phenanthrene-d10	210000	17.218			
1719-03-5	Chrysene-d12	229000	21.454			
1520-96-3	Perylene-d12	255000	24.457			

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
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A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG082825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 28 17:41:58 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064218.D 5 =BG064219.D 10 =BG064220.D 20 =BG064221.D 40 =BG064222.D 50 =BG064223.D 60 =BG064224.D 80 =BG0642
25.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.574	0.524	0.479	0.387	0.430	0.432	0.426	0.465	14.04
3)		Pyridine		1.449	1.375	1.377	1.338	1.315	1.371	1.349	1.368	3.09
4)		n-Nitrosodimet...			0.889	0.914	0.922	0.896	0.916	0.892	0.905	1.57
5)	S	2-Fluorophenol		1.126	1.094	1.155	1.104	1.075	1.117	1.133	1.115	2.36
6)		Aniline		2.030	2.048	2.158	2.125	2.151	2.203	2.110	2.118	2.90
7)	S	Phenol-d6		1.520	1.484	1.594	1.515	1.522	1.555	1.532	1.532	2.26
8)		2-Chlorophenol		1.318	1.287	1.381	1.418	1.360	1.407	1.364	1.362	3.44
9)		Benzaldehyde			1.181	1.115	1.375	1.193	1.439		1.260	11.00
10)	C	Phenol		1.590	1.627	1.750	1.669	1.739	1.745	1.699	1.688	3.71
11)		bis(2-Chloroet...		1.232	1.263	1.323	1.281	1.255	1.270	1.258	1.269	2.22
12)		1,3-Dichlorobe...		1.469	1.480	1.500	1.471	1.394	1.425	1.404	1.449	2.83
13)	C	1,4-Dichlorobe...		1.499	1.522	1.479	1.466	1.426	1.447	1.398	1.463	2.91
14)		1,2-Dichlorobe...		1.350	1.458	1.476	1.409	1.365	1.437	1.386	1.412	3.38
15)		Benzyl Alcohol			1.297	1.436	1.426	1.432	1.438	1.451	1.413	4.06
16)		2,2'-oxybis(1-...		2.923	2.920	2.979	2.897	2.826	2.931	2.803	2.897	2.14
17)		2-Methylphenol		1.188	1.243	1.349	1.261	1.218	1.305	1.246	1.258	4.28
18)		Hexachloroethane		0.555	0.578	0.574	0.583	0.572	0.568	0.567	0.571	1.57
19)	P	n-Nitroso-di-n...	1.008	1.162	1.160	1.239	1.203	1.211	1.230	1.164	1.172	6.24
20)		3+4-Methylphenols			1.734	1.765	1.702	1.750	1.787	1.753	1.749	1.65
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.533	0.485	0.522	0.502	0.496	0.513	0.492	0.506	3.42
23)	S	Nitrobenzene-d5		0.341	0.340	0.370	0.365	0.357	0.376	0.360	0.359	3.82
24)		Nitrobenzene		0.354	0.348	0.394	0.388	0.377	0.387	0.375	0.375	4.71
25)		Isophorone		0.749	0.723	0.787	0.748	0.733	0.754	0.724	0.745	2.97
26)	C	2-Nitrophenol		0.133	0.146	0.169	0.171	0.167	0.176	0.171	0.162	9.86
27)		2,4-Dimethylph...		0.275	0.271	0.300	0.297	0.276	0.291	0.279	0.284	4.03
28)		bis(2-Chloroet...		0.396	0.401	0.417	0.414	0.390	0.404	0.391	0.402	2.63
29)	C	2,4-Dichloroph...		0.289	0.278	0.319	0.310	0.299	0.311	0.294	0.300	4.70
30)		1,2,4-Trichlor...		0.332	0.305	0.327	0.319	0.308	0.317	0.305	0.316	3.42
31)		Naphthalene		1.104	1.012	1.077	1.036	1.004	1.041	0.986	1.037	4.01
32)		Benzoic acid			0.159	0.206	0.240	0.247	0.257	0.245	0.226	16.35
33)		4-Chloroaniline		0.369	0.379	0.414	0.421	0.411	0.419	0.402	0.402	5.08
34)	C	Hexachlorobuta...		0.242	0.236	0.236	0.237	0.224	0.236	0.225	0.234	2.93
35)		Caprolactam			0.108	0.129	0.123	0.112	0.114	0.110	0.116	7.13
36)	C	4-Chloro-3-met...		0.380	0.382	0.402	0.395	0.386	0.396	0.383	0.389	2.16
37)		2-Methylnaphth...		0.768	0.748	0.831	0.788	0.757	0.772	0.734	0.771	4.10
38)		1-Methylnaphth...		0.788	0.755	0.801	0.776	0.736	0.753	0.722	0.761	3.72

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG082825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.554	0.556	0.597	0.582	0.582	0.592	0.576	0.577	2.86
41)	P	Hexachlorocycl...		0.221	0.256	0.275	0.290	0.307	0.296	0.274	11.55
42)	S	2,4,6-Tribromo...	0.281	0.256	0.271	0.276	0.261	0.257	0.252	0.265	4.21
43)	C	2,4,6-Trichlor...	0.364	0.362	0.400	0.396	0.384	0.399	0.394	0.386	4.23
44)		2,4,5-Trichlor...	0.387	0.386	0.437	0.433	0.426	0.437	0.423	0.418	5.33
45)	S	2-Fluorobiphenyl	1.364	1.286	1.358	1.328	1.288	1.304	1.244	1.310	3.27
46)		1,1'-Biphenyl	1.459	1.412	1.488	1.494	1.449	1.471	1.424	1.457	2.13
47)		2-Chloronaphth...	1.090	1.059	1.113	1.113	1.096	1.117	1.078	1.095	1.94
48)		2-Nitroaniline	0.303	0.329	0.372	0.410	0.394	0.408	0.397	0.373	11.15
49)		Acenaphthylene	1.656	1.528	1.675	1.675	1.607	1.610	1.580	1.619	3.36
50)		Dimethylphthalate	1.672	1.476	1.569	1.555	1.462	1.446	1.417	1.514	5.90
51)		2,6-Dinitrotol...	0.238	0.269	0.301	0.322	0.300	0.315	0.305	0.293	10.00
52)	C	Acenaphthene	1.169	1.120	1.175	1.178	1.129	1.132	1.095	1.142	2.77
53)		3-Nitroaniline	0.275	0.279	0.316	0.331	0.314	0.322	0.312	0.307	6.93
54)	P	2,4-Dinitrophenol		0.096	0.137	0.178	0.184	0.190	0.190	0.163	23.29
55)		Dibenzofuran	1.913	1.756	1.840	1.833	1.762	1.754	1.722	1.797	3.73
56)	P	4-Nitrophenol		0.199	0.250	0.286	0.258	0.255	0.263	0.252	11.50
57)		2,4-Dinitrotol...	0.396	0.398	0.462	0.484	0.450	0.457	0.455	0.443	7.55
58)		Fluorene	1.567	1.478	1.549	1.529	1.416	1.398	1.373	1.473	5.30
59)		2,3,4,6-Tetrac...	0.392	0.378	0.419	0.419	0.413	0.404	0.393	0.402	3.91
60)		Diethylphthalate	1.830	1.577	1.665	1.688	1.536	1.530	1.516	1.620	7.06
61)		4-Chlorophenyl...	0.781	0.717	0.759	0.755	0.720	0.716	0.693	0.734	4.21
62)		4-Nitroaniline	0.267	0.275	0.311	0.351	0.332	0.331	0.325	0.313	9.93
63)		Azobenzene	1.490	1.422	1.511	1.503	1.407	1.393	1.381	1.444	3.83
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.107	0.118	0.121	0.129	0.128	0.115	14.38
66)	c	n-Nitrosodiphe...	0.553	0.518	0.571	0.562	0.542	0.564	0.542	0.550	3.23
67)		4-Bromophenyl-...	0.195	0.213	0.218	0.215	0.212	0.219	0.216	0.212	3.78
68)		Hexachlorobenzene	0.241	0.232	0.244	0.226	0.231	0.243	0.235	0.236	2.82
69)		Atrazine	0.240	0.230	0.231	0.240	0.224	0.224	0.220	0.230	3.42
70)	C	Pentachlorophenol		0.110	0.135	0.153	0.148	0.156	0.157	0.143	12.65
71)		Phenanthrene	1.103	1.032	1.090	1.084	1.020	1.041	1.015	1.055	3.45
72)		Anthracene	1.124	1.053	1.092	1.111	1.033	1.070	1.028	1.073	3.48
73)		Carbazole	0.986	0.908	0.960	1.002	0.917	0.935	0.909	0.945	4.01
74)		Di-n-butylphth...	1.196	1.089	1.146	1.211	1.096	1.119	1.093	1.136	4.47
75)	C	Fluoranthene	1.340	1.211	1.269	1.304	1.178	1.208	1.172	1.240	5.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.454	0.525	0.445	0.385	0.357	0.358	0.421	15.74
78)		Pyrene	1.292	1.236	1.286	1.303	1.216	1.269	1.218	1.260	2.88
79)	S	Terphenyl-d14	1.009	0.974	1.002	0.981	0.918	0.938	0.888	0.959	4.70
80)		Butylbenzylpht...	0.449	0.440	0.492	0.494	0.474	0.496	0.481	0.475	4.72
81)		Benzo(a)anthra...	1.323	1.238	1.312	1.296	1.248	1.295	1.244	1.280	2.75
82)		3,3'-Dichlorob...		0.401	0.440	0.429	0.410	0.416	0.404	0.417	3.65
83)		Chrysene	1.277	1.197	1.254	1.248	1.204	1.228	1.190	1.228	2.67
84)		Bis(2-ethylhex...	0.713	0.681	0.719	0.732	0.713	0.734	0.703	0.714	2.52
85)	c	Di-n-octyl pht...		1.160	1.266	1.263	1.228	1.303	1.239	1.243	3.90

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG082825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.314	1.302	1.384	1.399	1.348	1.428	1.386	1.366	3.37
88)		Benzo(b)fluora...	1.079	1.081	1.145	1.176	1.104	1.164	1.153	1.129	3.56
89)		Benzo(k)fluora...	1.161	1.127	1.178	1.141	1.131	1.175	1.136	1.150	1.86
90)	C	Benzo(a)pyrene	1.019	0.978	1.076	1.084	1.047	1.091	1.055	1.050	3.83
91)		Dibenzo(a,h)an...	1.044	1.032	1.114	1.135	1.087	1.144	1.121	1.097	4.01
92)		Benzo(g,h,i)pe...	1.067	1.029	1.070	1.083	1.042	1.103	1.076	1.067	2.32

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: BNA_G Calibration Date/Time: 09/08/2025 10:26

Lab File ID: BG064301.D Init. Calib. Date(s): 08/28/2025 08/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:51 16:16

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.115	1.121		0.5	
Benzaldehyde	1.260	1.141		-9.4	
Phenol-d6	1.532	1.574		2.7	
Phenol	1.689	1.734		2.7	20.0
bis(2-Chloroethyl)ether	1.269	1.209		-4.7	
2-Chlorophenol	1.362	1.358		-0.3	
2-Methylphenol	1.258	1.193		-5.2	
2,2-oxybis(1-Chloropropane)	2.897	2.304		-20.5	
Acetophenone	0.506	0.528		4.3	
3+4-Methylphenols	1.749	1.670		-4.5	
n-Nitroso-di-n-propylamine	1.172	1.110	0.050	-5.3	
Nitrobenzene-d5	0.359	0.398		10.9	
Hexachloroethane	0.571	0.574		0.5	
Nitrobenzene	0.375	0.399		6.4	
Isophorone	0.745	0.743		-0.3	
2-Nitrophenol	0.162	0.180		11.1	20.0
2,4-Dimethylphenol	0.284	0.307		8.1	
bis(2-Chloroethoxy)methane	0.402	0.400		-0.5	
2,4-Dichlorophenol	0.300	0.336		12.0	20.0
Naphthalene	1.037	1.084		4.5	
4-Chloroaniline	0.402	0.420		4.5	
Hexachlorobutadiene	0.234	0.282		20.5	20.0
Caprolactam	0.116	0.121		4.3	
4-Chloro-3-methylphenol	0.389	0.416		6.9	20.0
2-Methylnaphthalene	0.771	0.815		5.7	
Hexachlorocyclopentadiene	0.274	0.352	0.050	28.5	
2,4,6-Trichlorophenol	0.386	0.429		11.1	20.0
2-Fluorobiphenyl	1.310	1.393		6.3	
2,4,5-Trichlorophenol	0.418	0.474		13.4	
1,1-Biphenyl	1.457	1.533		5.2	
2-Chloronaphthalene	1.095	1.150		5.0	
2-Nitroaniline	0.373	0.422		13.1	
Dimethylphthalate	1.514	1.585		4.7	
Acenaphthylene	1.619	1.705		5.3	
2,6-Dinitrotoluene	0.293	0.342		16.7	
3-Nitroaniline	0.307	0.326		6.2	
Acenaphthene	1.142	1.218		6.7	20.0
2,4-Dinitrophenol	0.163	0.210	0.050	28.8	
4-Nitrophenol	0.252	0.277	0.050	9.9	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: BNA_G Calibration Date/Time: 09/08/2025 10:26

Lab File ID: BG064301.D Init. Calib. Date(s): 08/28/2025 08/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:51 16:16

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.797	1.896		5.5	
2,4-Dinitrotoluene	0.443	0.505		14.0	
Diethylphthalate	1.620	1.752		8.1	
4-Chlorophenyl-phenylether	0.734	0.826		12.5	
Fluorene	1.473	1.594		8.2	
4-Nitroaniline	0.313	0.370		18.2	
4,6-Dinitro-2-methylphenol	0.115	0.143		24.3	
n-Nitrosodiphenylamine	0.550	0.579		5.3	20.0
2,4,6-Tribromophenol	0.265	0.331		24.9	
4-Bromophenyl-phenylether	0.212	0.241		13.7	
Hexachlorobenzene	0.236	0.267		13.1	
Atrazine	0.230	0.258		12.2	
Pentachlorophenol	0.143	0.170		18.9	20.0
Phenanthrene	1.055	1.116		5.8	
Anthracene	1.073	1.126		4.9	
Carbazole	0.945	1.008		6.7	
Di-n-butylphthalate	1.136	1.234		8.6	
Fluoranthene	1.240	1.368		10.3	20.0
Pyrene	1.260	1.321		4.8	
Terphenyl-d14	0.959	1.040		8.4	
Butylbenzylphthalate	0.475	0.505		6.3	
3,3-Dichlorobenzidine	0.417	0.448		7.4	
Benzo(a)anthracene	1.280	1.333		4.1	
Chrysene	1.228	1.274		3.7	
Bis(2-ethylhexyl)phthalate	0.714	0.738		3.4	
Di-n-octyl phthalate	1.243	1.278		2.8	20.0
Benzo(b)fluoranthene	1.129	1.240		9.8	
Benzo(k)fluoranthene	1.150	1.207		5.0	
Benzo(a)pyrene	1.050	1.124		7.0	20.0
Indeno(1,2,3-cd)pyrene	1.366	1.477		8.1	
Dibenzo(a,h)anthracene	1.097	1.190		8.5	
Benzo(g,h,i)perylene	1.067	1.149		7.7	
1,2,4,5-Tetrachlorobenzene	0.577	0.657		13.9	
1,4-Dioxane	0.465	0.468		0.6	20.0
2,3,4,6-Tetrachlorophenol	0.402	0.471		17.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: BNA_G Calibration Date/Time: 09/10/2025 12:37

Lab File ID: BG064329.D Init. Calib. Date(s): 08/28/2025 08/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:51 16:16

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.115	1.234		10.7	
Benzaldehyde	1.260	1.223		-2.9	
Phenol-d6	1.532	1.683		9.9	
Phenol	1.689	1.790		6.0	20.0
bis(2-Chloroethyl)ether	1.269	1.235		-2.7	
2-Chlorophenol	1.362	1.528		12.2	
2-Methylphenol	1.258	1.272		1.1	
2,2-oxybis(1-Chloropropane)	2.897	2.328		-19.6	
Acetophenone	0.506	0.560		10.7	
3+4-Methylphenols	1.749	1.728		-1.2	
n-Nitroso-di-n-propylamine	1.172	1.131	0.050	-3.5	
Nitrobenzene-d5	0.359	0.430		19.8	
Hexachloroethane	0.571	0.650		13.8	
Nitrobenzene	0.375	0.426		13.6	
Isophorone	0.745	0.758		1.7	
2-Nitrophenol	0.162	0.210		29.6	20.0
2,4-Dimethylphenol	0.284	0.316		11.3	
bis(2-Chloroethoxy)methane	0.402	0.404		0.5	
2,4-Dichlorophenol	0.300	0.361		20.3	20.0
Naphthalene	1.037	1.173		13.1	
4-Chloroaniline	0.402	0.438		9.0	
Hexachlorobutadiene	0.234	0.317		35.5	20.0
Caprolactam	0.116	0.120		3.4	
4-Chloro-3-methylphenol	0.389	0.430		10.5	20.0
2-Methylnaphthalene	0.771	0.856		11.0	
Hexachlorocyclopentadiene	0.274	0.391	0.050	42.7	
2,4,6-Trichlorophenol	0.386	0.452		17.1	20.0
2-Fluorobiphenyl	1.310	1.487		13.5	
2,4,5-Trichlorophenol	0.418	0.505		20.8	
1,1-Biphenyl	1.457	1.597		9.6	
2-Chloronaphthalene	1.095	1.217		11.1	
2-Nitroaniline	0.373	0.437		17.2	
Dimethylphthalate	1.514	1.633		7.9	
Acenaphthylene	1.619	1.790		10.6	
2,6-Dinitrotoluene	0.293	0.341		16.4	
3-Nitroaniline	0.307	0.339		10.4	
Acenaphthene	1.142	1.211		6.0	20.0
2,4-Dinitrophenol	0.163	0.235	0.050	44.2	
4-Nitrophenol	0.252	0.288	0.050	14.3	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: BNA_G Calibration Date/Time: 09/10/2025 12:37

Lab File ID: BG064329.D Init. Calib. Date(s): 08/28/2025 08/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:51 16:16

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.797	1.958		9.0	
2,4-Dinitrotoluene	0.443	0.519		17.2	
Diethylphthalate	1.620	1.772		9.4	
4-Chlorophenyl-phenylether	0.734	0.835		13.8	
Fluorene	1.473	1.590		7.9	
4-Nitroaniline	0.313	0.376		20.1	
4,6-Dinitro-2-methylphenol	0.115	0.152		32.2	
n-Nitrosodiphenylamine	0.550	0.601		9.3	20.0
2,4,6-Tribromophenol	0.265	0.346		30.6	
4-Bromophenyl-phenylether	0.212	0.258		21.7	
Hexachlorobenzene	0.236	0.280		18.6	
Atrazine	0.230	0.279		21.3	
Pentachlorophenol	0.143	0.196		37.1	20.0
Phenanthrene	1.055	1.171		11.0	
Anthracene	1.073	1.190		10.9	
Carbazole	0.945	1.081		14.4	
Di-n-butylphthalate	1.136	1.332		17.3	
Fluoranthene	1.240	1.457		17.5	20.0
Pyrene	1.260	1.389		10.2	
Terphenyl-d14	0.959	1.105		15.2	
Butylbenzylphthalate	0.475	0.534		12.4	
3,3-Dichlorobenzidine	0.417	0.484		16.1	
Benzo(a)anthracene	1.280	1.438		12.3	
Chrysene	1.228	1.355		10.3	
Bis(2-ethylhexyl)phthalate	0.714	0.778		9.0	
Di-n-octyl phthalate	1.243	1.337		7.6	20.0
Benzo(b)fluoranthene	1.129	1.304		15.5	
Benzo(k)fluoranthene	1.150	1.295		12.6	
Benzo(a)pyrene	1.050	1.204		14.7	20.0
Indeno(1,2,3-cd)pyrene	1.366	1.582		15.8	
Dibenzo(a,h)anthracene	1.097	1.277		16.4	
Benzo(g,h,i)perylene	1.067	1.221		14.4	
1,2,4,5-Tetrachlorobenzene	0.577	0.706		22.4	
1,4-Dioxane	0.465	0.461		-0.9	20.0
2,3,4,6-Tetrachlorophenol	0.402	0.484		20.4	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			SVOC-TCL BNA -20	8270E		09/08/25	09/08/25	
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP BNA	8270E		09/11/25	09/11/25	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			SVOC-TCL BNA -20	8270E		09/08/25	09/08/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP BNA	8270E		09/11/25	09/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032

Client: Zuccaro Inc.

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/11/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/11/25
Client Sample ID:	PB169589TB	SDG No.:	Q3032
Lab Sample ID:	PB169589TB	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
BF143727.D	1	09/11/25 08:40	09/12/25 12:11	PB169661

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	140		15 (23) - 110 (138)	93%	SPK: 150
13127-88-3	Phenol-d6	138		15 (10) - 110 (134)	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.8		30 (67) - 130 (132)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.5		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		15 (44) - 110 (137)	90%	SPK: 150
1718-51-0	Terphenyl-d14	90.7		30 (42) - 130 (152)	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35100	6.892			
1146-65-2	Naphthalene-d8	136000	8.175			
15067-26-2	Acenaphthene-d10	76500	9.933			
1517-22-2	Phenanthrene-d10	119000	11.422			
1719-03-5	Chrysene-d12	74200	14.057			
1520-96-3	Perylene-d12	80800	15.539			

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Report of Analysis

Client:	Zuccaro Inc.			Date Collected:	09/11/25
Project:	3 Coal Ave., Morristown, NJ			Date Received:	09/11/25
Client Sample ID:	PB169589TB			SDG No.:	Q3032
Lab Sample ID:	PB169589TB			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
BF143727.D	1	09/11/25 08:40	09/12/25 12:11	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-02	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
BF143711.D	1	09/11/25 08:40	09/11/25 17:30	PB169661

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	132		15 (23) - 110 (138)	88%	SPK: 150
13127-88-3	Phenol-d6	122		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (67) - 130 (132)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		30 (52) - 130 (132)	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		15 (44) - 110 (137)	95%	SPK: 150
1718-51-0	Terphenyl-d14	81.1		30 (42) - 130 (152)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33600	6.892			
1146-65-2	Naphthalene-d8	123000	8.175			
15067-26-2	Acenaphthene-d10	63800	9.927			
1517-22-2	Phenanthrene-d10	93800	11.416			
1719-03-5	Chrysene-d12	88400	14.057			
1520-96-3	Perylene-d12	72200	15.539			

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Report of Analysis

Client:	Zuccaro Inc.			Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ			Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1			SDG No.:	Q3032
Lab Sample ID:	Q3032-02			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
BF143711.D	1	09/11/25 08:40	09/11/25 17:30	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-05	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
BF143714.D	1	09/11/25 08:40	09/11/25 18:59	PB169661

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	145		15 (23) - 110 (138)	97%	SPK: 150
13127-88-3	Phenol-d6	133		15 (10) - 110 (134)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		30 (67) - 130 (132)	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	108		30 (52) - 130 (132)	108%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		15 (44) - 110 (137)	96%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		30 (42) - 130 (152)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33700	6.893			
1146-65-2	Naphthalene-d8	127000	8.175			
15067-26-2	Acenaphthene-d10	65800	9.928			
1517-22-2	Phenanthrene-d10	91400	11.416			
1719-03-5	Chrysene-d12	85200	14.057			
1520-96-3	Perylene-d12	67200	15.539			

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Report of Analysis

Client:	Zuccaro Inc.			Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ			Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2			SDG No.:	Q3032
Lab Sample ID:	Q3032-05			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
BF143714.D	1	09/11/25 08:40	09/11/25 18:59	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169589TB	PB169589TB	2-Fluorophenol	150	140	93		15 (23)	110 (138)
		Phenol-d6	150	138	92		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.8	95		30 (67)	130 (132)
		2-Fluorobiphenyl	100	94.5	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	135	90		15 (44)	110 (137)
		Terphenyl-d14	100	90.7	91		30 (42)	130 (152)
PB169661BL	PB169661BL	2-Fluorophenol	150	135	90		15 (23)	110 (138)
		Phenol-d6	150	134	89		15 (10)	110 (134)
		Nitrobenzene-d5	100	95.3	95		30 (67)	130 (132)
		2-Fluorobiphenyl	100	92.7	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	136	91		15 (44)	110 (137)
		Terphenyl-d14	100	92.2	92		30 (42)	130 (152)
PB169661BS	PB169661BS	2-Fluorophenol	150	123	82		15 (23)	110 (138)
		Phenol-d6	150	121	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	86.6	87		30 (67)	130 (132)
		2-Fluorobiphenyl	100	85.4	85		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	126	84		15 (44)	110 (137)
		Terphenyl-d14	100	84.2	84		30 (42)	130 (152)
Q3032-02	SOIL-PILE-1	2-Fluorophenol	150	132	88		15 (23)	110 (138)
		Phenol-d6	150	122	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	104	104		30 (67)	130 (132)
		2-Fluorobiphenyl	100	106	106		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	142	95		15 (44)	110 (137)
		Terphenyl-d14	100	81.1	81		30 (42)	130 (152)
Q3032-02MS	SOIL-PILE-1MS	2-Fluorophenol	150	132	88		15 (23)	110 (138)
		Phenol-d6	150	123	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	101	101		30 (67)	130 (132)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	138	92		15 (44)	110 (137)
		Terphenyl-d14	100	77.7	78		30 (42)	130 (152)
Q3032-02MSD	SOIL-PILE-1MSD	2-Fluorophenol	150	130	86		15 (23)	110 (138)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.5	98		30 (67)	130 (132)
		2-Fluorobiphenyl	100	101	101		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	72.0	72		30 (42)	130 (152)
Q3032-05	SOIL-PILE-2	2-Fluorophenol	150	145	97		15 (23)	110 (138)
		Phenol-d6	150	133	89		15 (10)	110 (134)
		Nitrobenzene-d5	100	109	109		30 (67)	130 (132)
		2-Fluorobiphenyl	100	108	108		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	144	96		15 (44)	110 (137)
		Terphenyl-d14	100	76.9	77		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8270E

Client: Zuccaro Inc. **DataFile:** BF143712.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3032-02MS		**Client Sample ID: SOIL-PILE-1MS**									
Pyridine	500	0	370	ug/L	74				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	480	ug/L	96				70 (55)	130 (125)	
2-Methylphenol	500	0	480	ug/L	96				70 (60)	130 (131)	
3+4-Methylphenols	500	0	470	ug/L	94				20 (54)	160 (136)	
Hexachloroethane	500	0	450	ug/L	90				20 (19)	160 (146)	
Nitrobenzene	500	0	490	ug/L	98				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	480	ug/L	96				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	520	ug/L	104				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	510	ug/L	102				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	540	ug/L	108				70 (74)	130 (137)	
Hexachlorobenzene	500	0	520	ug/L	104				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1100	ug/L	110				20 (52)	160 (162)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** SW8270E

Client: Zuccaro Inc. **DataFile:** BF143713.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q3032-02MSD		**Client Sample ID: SOIL-PILE-1MSD**									
Pyridine	500	0	370	ug/L	74		0		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	480	ug/L	96		0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	470	ug/L	94		2		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	460	ug/L	92		2		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	450	ug/L	90		0		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	470	ug/L	94		4		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	450	ug/L	90		6		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	510	ug/L	102		2		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	510	ug/L	102		0		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	520	ug/L	104		4		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	520	ug/L	104		0		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1000	ug/L	100		10		20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8270E

Client: Zuccaro Inc. **DataFile:** BF143726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169661BS	Pyridine	50	37.8	ug/L	76				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	45.0	ug/L	90				70 (76)	130 (103)	
	2-Methylphenol	50	44.5	ug/L	89				70 (69)	130 (109)	
	3+4-Methylphenols	50	43.8	ug/L	88				20 (67)	160 (106)	
	Hexachloroethane	50	43.7	ug/L	87				20 (76)	160 (118)	
	Nitrobenzene	50	43.4	ug/L	87				70 (58)	130 (106)	
	Hexachlorobutadiene	50	43.3	ug/L	87				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	45.0	ug/L	90				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	46.9	ug/L	94				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	48.0	ug/L	96				70 (60)	130 (115)	
	Hexachlorobenzene	50	46.8	ug/L	94				70 (73)	130 (106)	
	Pentachlorophenol	100	95.2	ug/L	95				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169661BL

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab File ID: BF143725.D | Lab Sample ID: PB169661BL

Instrument ID: BNA_F | Date Extracted: 09/11/2025

Matrix: (soil/water) water | Date Analyzed: 09/12/2025

Level: (low/med) LOW | Time Analyzed: 11:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169589TB	PB169589TB	BF143727.D	09/12/2025
PB169661BS	PB169661BS	BF143726.D	09/12/2025
SOIL-PILE-1	Q3032-02	BF143711.D	09/11/2025
SOIL-PILE-1MS	Q3032-02MS	BF143712.D	09/11/2025
SOIL-PILE-1MSD	Q3032-02MSD	BF143713.D	09/11/2025
SOIL-PILE-2	Q3032-05	BF143714.D	09/11/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: BF143675.D DFTPP Injection Date: 09/09/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	29.3
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (18.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143676.D	09/09/2025	09:12
SSTDICC005	SSTDICC005	BF143677.D	09/09/2025	09:41
SSTDICC010	SSTDICC010	BF143678.D	09/09/2025	10:10
SSTDICC020	SSTDICC020	BF143679.D	09/09/2025	10:39
SSTDICCC040	SSTDICCC040	BF143680.D	09/09/2025	11:08
SSTDICC050	SSTDICC050	BF143681.D	09/09/2025	11:37
SSTDICC060	SSTDICC060	BF143682.D	09/09/2025	12:07
SSTDICC080	SSTDICC080	BF143683.D	09/09/2025	13:54

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: BF143700.D DFTPP Injection Date: 09/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	28.6
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143701.D	09/11/2025	12:31
SOIL-PILE-1	Q3032-02	BF143711.D	09/11/2025	17:30
SOIL-PILE-1MS	Q3032-02MS	BF143712.D	09/11/2025	17:59
SOIL-PILE-1MSD	Q3032-02MSD	BF143713.D	09/11/2025	18:29
SOIL-PILE-2	Q3032-05	BF143714.D	09/11/2025	18:59

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab File ID: BF143723.D DFTPP Injection Date: 09/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	26.6
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143724.D	09/12/2025	10:43
PB169661BL	PB169661BL	BF143725.D	09/12/2025	11:12
PB169661BS	PB169661BS	BF143726.D	09/12/2025	11:42
PB169589TB	PB169589TB	BF143727.D	09/12/2025	12:11

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3032

Client ID : SSTDCCC040 Date Analyzed: 09/11/2025

Lab File ID: BF143701.D Time Analyzed: 12:31

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	44409	6.893	171787	8.18	99519	9.93
	UPPER LIMIT	88818	7.393	343574	8.675	199038	10.433
	LOWER LIMIT	22204.5	6.393	85893.5	7.675	49759.5	9.433
	EPA SAMPLE NO.						
01	SOIL-PILE-1	33623	6.89	122515	8.18	63838	9.93
02	SOIL-PILE-1MS	38125	6.90	141026	8.18	74973	9.93
03	SOIL-PILE-1MSD	37951	6.89	143541	8.18	73691	9.93
04	SOIL-PILE-2	33729	6.89	126928	8.18	65757	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3032

Client ID: SSTDCCC040 Date Analyzed: 09/11/2025

Lab File ID: BF143701.D Time Analyzed: 12:31

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	157461	11.422	95771	14.063	101516	15.539
	UPPER LIMIT	314922	11.922	191542	14.563	203032	16.039
	LOWER LIMIT	78730.5	10.922	47885.5	13.563	50758	15.039
	EPA SAMPLE NO.						
01	SOIL-PILE-1	93833	11.42	88396	14.06	72226	15.54
02	SOIL-PILE-1MS	106474	11.42	98778	14.06	80025	15.54
03	SOIL-PILE-1MSD	101346	11.42	96866	14.06	76435	15.54
04	SOIL-PILE-2	91415	11.42	85213	14.06	67179	15.54

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3032

Client ID : SSTDCCC040 Date Analyzed: 09/12/2025

Lab File ID: BF143724.D Time Analyzed: 10:43

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	40222	6.898	153379	8.18	85989	9.93
	UPPER LIMIT	80444	7.398	306758	8.681	171978	10.433
	LOWER LIMIT	20111	6.398	76689.5	7.681	42994.5	9.433
	EPA SAMPLE NO.						
01	PB169661BL	37749	6.89	143431	8.18	79960	9.93
02	PB169661BS	35028	6.89	132353	8.18	72610	9.93
03	PB169589TB	35136	6.89	136153	8.18	76475	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3032

Client ID: SSTDCCC040 Date Analyzed: 09/12/2025

Lab File ID: BF143724.D Time Analyzed: 10:43

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	134354	11.422	79299	14.063	89357	15.539
	UPPER LIMIT	268708	11.922	158598	14.563	178714	16.039
	LOWER LIMIT	67177	10.922	39649.5	13.563	44678.5	15.039
	EPA SAMPLE NO.						
01	PB169661BL	125741	11.42	78519	14.06	85245	15.54
02	PB169661BS	108626	11.42	67628	14.06	78937	15.55
03	PB169589TB	119403	11.42	74214	14.06	80815	15.54

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169661BL	SDG No.:	Q3032
Lab Sample ID:	PB169661BL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143725.D	1	09/11/25 08:40	09/12/25 11:12	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		15 (23) - 110 (138)	90%	SPK: 150
13127-88-3	Phenol-d6	134		15 (10) - 110 (134)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.3		30 (67) - 130 (132)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.7		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		15 (44) - 110 (137)	91%	SPK: 150
1718-51-0	Terphenyl-d14	92.2		30 (42) - 130 (152)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37700	6.892			
1146-65-2	Naphthalene-d8	143000	8.175			
15067-26-2	Acenaphthene-d10	80000	9.927			
1517-22-2	Phenanthrene-d10	126000	11.416			
1719-03-5	Chrysene-d12	78500	14.057			
1520-96-3	Perylene-d12	85200	15.539			

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Report of Analysis

Client:	Zuccaro Inc.			Date Collected:	
Project:	3 Coal Ave., Morristown, NJ			Date Received:	
Client Sample ID:	PB169661BL			SDG No.:	Q3032
Lab Sample ID:	PB169661BL			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143725.D	1	09/11/25 08:40	09/12/25 11:12	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169661BS	SDG No.:	Q3032
Lab Sample ID:	PB169661BS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143726.D	1	09/11/25 08:40	09/12/25 11:42	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	37.8		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.0		0.53	5.00	ug/L
95-48-7	2-Methylphenol	44.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.8		1.10	10.0	ug/L
67-72-1	Hexachloroethane	43.7		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.4		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.3		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	45.0		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.9		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.0		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	46.8		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	95.2	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	123		15 (23) - 110 (138)	82%	SPK: 150
13127-88-3	Phenol-d6	121		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.6		30 (67) - 130 (132)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.4		30 (52) - 130 (132)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		30 (42) - 130 (152)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35000	6.892			
1146-65-2	Naphthalene-d8	132000	8.175			
15067-26-2	Acenaphthene-d10	72600	9.933			
1517-22-2	Phenanthrene-d10	109000	11.422			
1719-03-5	Chrysene-d12	67600	14.063			
1520-96-3	Perylene-d12	78900	15.545			

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Report of Analysis

Client:	Zuccaro Inc.			Date Collected:	
Project:	3 Coal Ave., Morristown, NJ			Date Received:	
Client Sample ID:	PB169661BS			SDG No.:	Q3032
Lab Sample ID:	PB169661BS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143726.D	1	09/11/25 08:40	09/12/25 11:42	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-02MS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143712.D	1	09/11/25 08:40	09/11/25 17:59	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	370		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	480		5.30	50.0	ug/L
95-48-7	2-Methylphenol	480		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	470		11.0	100	ug/L
67-72-1	Hexachloroethane	450		6.50	50.0	ug/L
98-95-3	Nitrobenzene	490		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	480		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	520		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	510		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	540		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	520		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		15 (23) - 110 (138)	88%	SPK: 150
13127-88-3	Phenol-d6	123		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (67) - 130 (132)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		15 (44) - 110 (137)	92%	SPK: 150
1718-51-0	Terphenyl-d14	77.7		30 (42) - 130 (152)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	38100	6.898			
1146-65-2	Naphthalene-d8	141000	8.175			
15067-26-2	Acenaphthene-d10	75000	9.934			
1517-22-2	Phenanthrene-d10	106000	11.422			
1719-03-5	Chrysene-d12	98800	14.063			
1520-96-3	Perylene-d12	80000	15.539			

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-02MS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143712.D	1	09/11/25 08:40	09/11/25 17:59	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-02MSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143713.D	1	09/11/25 08:40	09/11/25 18:29	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	370		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	480		5.30	50.0	ug/L
95-48-7	2-Methylphenol	470		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	460		11.0	100	ug/L
67-72-1	Hexachloroethane	450		6.50	50.0	ug/L
98-95-3	Nitrobenzene	470		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	450		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	510		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	510		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	520		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	520		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	130		15 (23) - 110 (138)	86%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.5		30 (67) - 130 (132)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		30 (52) - 130 (132)	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	72.0		30 (42) - 130 (152)	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	38000	6.893			
1146-65-2	Naphthalene-d8	144000	8.175			
15067-26-2	Acenaphthene-d10	73700	9.934			
1517-22-2	Phenanthrene-d10	101000	11.422			
1719-03-5	Chrysene-d12	96900	14.063			
1520-96-3	Perylene-d12	76400	15.539			

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Report of Analysis

Client:	Zuccaro Inc.			Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ			Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD			SDG No.:	Q3032
Lab Sample ID:	Q3032-02MSD			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143713.D	1	09/11/25 08:40	09/11/25 18:29	PB169661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 09 15:20:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143676.D 5 =BF143677.D 10 =BF143678.D 20 =BF143679.D 40 =BF143680.D 50 =BF143681.D 60 =BF143682.D 80 =BF1436
83.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.561	0.515	0.536	0.536	0.494	0.514	0.504	0.523	4.36
3)		Pyridine		1.286	1.362	1.371	1.400	1.331	1.363	1.342	1.351	2.66
4)		n-Nitrosodimet...			0.504	0.519	0.522	0.496	0.519	0.518	0.513	1.99
5)	S	2-Fluorophenol	1.173	1.171	1.163	1.207	1.227	1.133	1.156	1.149	1.172	2.63
6)		Aniline		1.896	1.927	1.918	1.936	1.846	1.881	1.830	1.890	2.15
7)	S	Phenol-d6	1.434	1.429	1.424	1.484	1.469	1.381	1.413	1.385	1.427	2.52
8)		2-Chlorophenol		1.274	1.235	1.297	1.302	1.234	1.262	1.257	1.266	2.15
9)		Benzaldehyde			0.936	0.866	1.236	1.243	1.493	1.135	1.152	19.84
10)	C	Phenol		1.545	1.556	1.610	1.700	1.526	1.572	1.535	1.578	3.85
11)		bis(2-Chloroet...		1.220	1.172	1.208	1.201	1.138	1.166	1.143	1.178	2.75
12)		1,3-Dichlorobe...		1.462	1.448	1.485	1.500	1.409	1.435	1.397	1.448	2.60
13)	C	1,4-Dichlorobe...		1.509	1.447	1.512	1.499	1.428	1.439	1.395	1.461	3.11
14)		1,2-Dichlorobe...		1.430	1.416	1.397	1.412	1.342	1.342	1.323	1.380	3.13
15)		Benzyl Alcohol			1.019	1.069	1.070	1.012	1.040	1.020	1.038	2.51
16)		2,2'-oxybis(1-...		1.561	1.560	1.587	1.606	1.477	1.505	1.495	1.542	3.18
17)		2-Methylphenol		0.966	1.004	1.049	1.041	1.009	1.039	1.020	1.018	2.80
18)		Hexachloroethane		0.478	0.452	0.482	0.492	0.458	0.477	0.466	0.472	3.02
19)	P	n-Nitroso-di-n...	0.886	0.871	0.870	0.921	0.893	0.848	0.868	0.855	0.877	2.65
20)		3+4-Methylphenols			1.351	1.375	1.405	1.313	1.324	1.279	1.341	3.37
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.483	0.450	0.461	0.453	0.433	0.448	0.435	0.452	3.79
23)	S	Nitrobenzene-d5	0.290	0.325	0.318	0.328	0.330	0.319	0.334	0.327	0.322	4.34
24)		Nitrobenzene		0.330	0.325	0.344	0.341	0.325	0.337	0.333	0.333	2.27
25)		Isophorone		0.628	0.608	0.627	0.624	0.589	0.621	0.618	0.617	2.28
26)	C	2-Nitrophenol		0.143	0.148	0.164	0.170	0.171	0.176	0.176	0.164	8.28
27)		2,4-Dimethylph...		0.309	0.293	0.291	0.295	0.286	0.299	0.287	0.294	2.63
28)		bis(2-Chloroet...		0.390	0.376	0.384	0.384	0.363	0.379	0.378	0.379	2.25
29)	C	2,4-Dichloroph...		0.290	0.288	0.305	0.307	0.288	0.298	0.296	0.296	2.70
30)		1,2,4-Trichlor...		0.306	0.309	0.310	0.311	0.300	0.310	0.300	0.307	1.56
31)		Naphthalene		1.045	0.988	1.002	1.001	0.951	0.987	0.958	0.990	3.14
32)		Benzoic acid			0.126	0.161	0.180	0.184	0.207	0.218	0.180	18.36
33)		4-Chloroaniline		0.349	0.350	0.354	0.349	0.330	0.348	0.333	0.345	2.65
34)	C	Hexachlorobuta...		0.200	0.198	0.206	0.204	0.193	0.203	0.196	0.200	2.23
35)		Caprolactam			0.077	0.078	0.080	0.075	0.081	0.082	0.079	3.19
36)	C	4-Chloro-3-met...		0.281	0.291	0.295	0.306	0.283	0.296	0.291	0.292	2.89
37)		2-Methylnaphth...		0.722	0.687	0.690	0.680	0.647	0.671	0.646	0.678	3.92
38)		1-Methylnaphth...		0.687	0.667	0.660	0.656	0.622	0.644	0.618	0.650	3.79

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...		0.580	0.578	0.597	0.580	0.552	0.574	0.546	0.573	3.10
41)	P	Hexachlorocycl...			0.258	0.289	0.308	0.309	0.305	0.294	0.294	6.55
42)	S	2,4,6-Tribromo...	0.181	0.209	0.197	0.214	0.208	0.199	0.210	0.195	0.202	5.40
43)	C	2,4,6-Trichlor...		0.370	0.362	0.405	0.402	0.372	0.383	0.382	0.382	4.23
44)		2,4,5-Trichlor...		0.377	0.385	0.378	0.403	0.387	0.409	0.382	0.389	3.15
45)	S	2-Fluorobiphenyl	1.397	1.405	1.355	1.366	1.333	1.261	1.286	1.188	1.324	5.59
46)		1,1'-Biphenyl		1.481	1.455	1.507	1.478	1.394	1.420	1.343	1.440	3.98
47)		2-Chloronaphth...		1.186	1.118	1.174	1.158	1.075	1.122	1.069	1.129	4.08
48)		2-Nitroaniline		0.272	0.279	0.308	0.312	0.305	0.309	0.306	0.299	5.46
49)		Acenaphthylene		1.656	1.623	1.678	1.644	1.566	1.621	1.529	1.617	3.22
50)		Dimethylphthalate		1.335	1.337	1.330	1.323	1.240	1.300	1.243	1.301	3.27
51)		2,6-Dinitrotol...		0.207	0.229	0.257	0.262	0.259	0.269	0.258	0.249	8.94
52)	C	Acenaphthene		1.143	1.138	1.147	1.132	1.060	1.120	1.060	1.114	3.42
53)		3-Nitroaniline		0.264	0.256	0.272	0.280	0.259	0.277	0.266	0.268	3.41
54)	P	2,4-Dinitrophenol			0.074	0.097	0.121	0.116	0.138	0.138	0.114	21.86
55)		Dibenzofuran		1.714	1.641	1.651	1.612	1.539	1.582	1.476	1.602	4.88
56)	P	4-Nitrophenol			0.204	0.218	0.223	0.201	0.221	0.212	0.213	4.19
57)		2,4-Dinitrotol...		0.294	0.325	0.351	0.356	0.337	0.356	0.351	0.339	6.75
58)		Fluorene		1.352	1.290	1.301	1.283	1.187	1.222	1.143	1.254	5.79
59)		2,3,4,6-Tetrac...		0.295	0.306	0.324	0.328	0.313	0.327	0.313	0.315	3.90
60)		Diethylphthalate		1.259	1.258	1.260	1.245	1.152	1.218	1.160	1.222	3.87
61)		4-Chlorophenyl...		0.667	0.660	0.662	0.649	0.604	0.623	0.587	0.636	4.97
62)		4-Nitroaniline		0.231	0.248	0.267	0.264	0.243	0.267	0.255	0.254	5.39
63)		Azobenzene		1.146	1.101	1.107	1.098	1.034	1.059	1.016	1.080	4.22
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...			0.074	0.094	0.106	0.104	0.117	0.117	0.102	15.85
66)	c	n-Nitrosodiphe...		0.653	0.627	0.674	0.676	0.639	0.672	0.645	0.655	2.92
67)		4-Bromophenyl-...		0.228	0.238	0.247	0.255	0.238	0.243	0.239	0.241	3.48
68)		Hexachlorobenzene		0.251	0.246	0.257	0.262	0.252	0.261	0.255	0.255	2.18
69)		Atrazine		0.207	0.209	0.216	0.206	0.196	0.204	0.199	0.205	3.17
70)	C	Pentachlorophenol			0.126	0.151	0.164	0.153	0.166	0.164	0.154	9.74
71)		Phenanthrene		1.166	1.109	1.134	1.114	1.061	1.086	1.043	1.102	3.83
72)		Anthracene		1.153	1.104	1.149	1.134	1.070	1.096	1.050	1.108	3.56
73)		Carbazole		0.939	0.919	0.943	0.925	0.866	0.895	0.866	0.907	3.57
74)		Di-n-butylphth...		1.085	1.121	1.122	1.116	1.055	1.085	1.064	1.093	2.53
75)	C	Fluoranthene		1.123	1.069	1.064	1.009	0.930	0.959	0.927	1.012	7.56
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine			0.605	0.601	0.655	0.770	0.764	0.518	0.652	15.21
78)		Pyrene		1.770	1.712	1.706	1.529	1.459	1.524	1.493	1.599	7.87
79)	S	Terphenyl-d14	1.345	1.401	1.302	1.282	1.173	1.102	1.166	1.103	1.234	9.21
80)		Butylbenzylpht...		0.413	0.460	0.519	0.517	0.519	0.546	0.533	0.501	9.45
81)		Benzo(a)anthra...		1.298	1.288	1.312	1.246	1.278	1.312	1.273	1.287	1.84
82)		3,3'-Dichlorob...			0.347	0.396	0.405	0.410	0.421	0.396	0.396	6.49
83)		Chrysene		1.220	1.187	1.233	1.185	1.119	1.168	1.136	1.178	3.53
84)		Bis(2-ethylhex...		0.595	0.611	0.718	0.759	0.774	0.772	0.774	0.715	11.02
85)	c	Di-n-octyl pht...			0.963	1.233	1.335	1.383	1.386	1.385	1.281	12.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.239	1.290	1.407	1.440	1.369	1.442	1.368	1.365	5.58
88)		Benzo(b)fluora...	1.229	1.183	1.171	1.154	1.195	1.203	1.198	1.191	2.03
89)		Benzo(k)fluora...	1.090	1.068	1.138	1.169	0.996	1.082	0.978	1.074	6.45
90)	C	Benzo(a)pyrene	1.035	1.015	1.058	1.085	1.026	1.083	1.019	1.046	2.83
91)		Dibenzo(a,h)an...	1.047	1.065	1.167	1.185	1.130	1.205	1.128	1.132	5.24
92)		Benzo(g,h,i)pe...	0.994	0.992	1.084	1.102	1.058	1.130	1.054	1.059	4.91

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: BNA_F Calibration Date/Time: 09/11/2025 12:31

Lab File ID: BF143701.D Init. Calib. Date(s): 09/09/2025 09/09/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:12 13:54

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.351	1.404		3.9	
2-Fluorophenol	1.172	1.219		4.0	
Phenol-d6	1.427	1.446		1.3	
1,4-Dichlorobenzene	1.461	1.483		1.5	20.0
2-Methylphenol	1.018	1.053		3.4	
3+4-Methylphenols	1.341	1.403		4.6	
Nitrobenzene-d5	0.322	0.330		2.5	
Hexachloroethane	0.472	0.489		3.6	
Nitrobenzene	0.333	0.337		1.2	
Hexachlorobutadiene	0.200	0.206		3.0	20.0
2,4,6-Trichlorophenol	0.382	0.387		1.3	20.0
2-Fluorobiphenyl	1.324	1.322		-0.2	
2,4,5-Trichlorophenol	0.389	0.398		2.3	
2,4-Dinitrotoluene	0.339	0.351		3.5	
2,4,6-Tribromophenol	0.202	0.208		3.0	
Hexachlorobenzene	0.255	0.261		2.4	
Pentachlorophenol	0.154	0.159		3.2	20.0
Terphenyl-d14	1.234	1.258		1.9	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: BNA_F Calibration Date/Time: 09/12/2025 10:43

Lab File ID: BF143724.D Init. Calib. Date(s): 09/09/2025 09/09/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:12 13:54

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.351	1.401		3.7	
2-Fluorophenol	1.172	1.208		3.1	
Phenol-d6	1.427	1.457		2.1	
1,4-Dichlorobenzene	1.461	1.468		0.5	20.0
2-Methylphenol	1.018	1.051		3.2	
3+4-Methylphenols	1.341	1.367		1.9	
Nitrobenzene-d5	0.322	0.335		4.0	
Hexachloroethane	0.472	0.475		0.6	
Nitrobenzene	0.333	0.340		2.1	
Hexachlorobutadiene	0.200	0.199		-0.5	20.0
2,4,6-Trichlorophenol	0.382	0.395		3.4	20.0
2-Fluorobiphenyl	1.324	1.336		0.9	
2,4,5-Trichlorophenol	0.389	0.407		4.6	
2,4-Dinitrotoluene	0.339	0.363		7.1	
2,4,6-Tribromophenol	0.202	0.211		4.5	
Hexachlorobenzene	0.255	0.256		0.4	
Pentachlorophenol	0.154	0.161		4.5	20.0
Terphenyl-d14	1.234	1.220		-1.1	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			PCB	8082A		09/08/25	09/08/25	
			Pesticide-TCL	8081B		09/08/25	09/08/25	
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP Herbicide	8151A		09/11/25	09/11/25	
			TCLP Pesticide	8081B		09/11/25	09/11/25	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			PCB	8082A		09/08/25	09/08/25	
			Pesticide-TCL	8081B		09/08/25	09/08/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP Herbicide	8151A		09/11/25	09/11/25	
			TCLP Pesticide	8081B		09/11/25	09/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032 **Order ID:** Q3032

Client: Zuccaro Inc. **Project ID:** 3 Coal Ave., Morristown, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SOIL-PILE-1								
Q3032-01	SOIL-PILE-1	SOIL	Dieldrin	0.45	JP	0.17	2.00	ug/kg
Q3032-01	SOIL-PILE-1	SOIL	alpha-Chlordane	0.57	JP	0.14	2.00	ug/kg
Q3032-01	SOIL-PILE-1	SOIL	gamma-Chlordane	0.31	J	0.18	2.00	ug/kg
			Total Concentration:	**1.330**				
Client ID : SOIL-PILE-2								
Q3032-04	SOIL-PILE-2	SOIL	4,4-DDE	1.70	J	0.17	2.00	ug/kg
Q3032-04	SOIL-PILE-2	SOIL	Endrin	1.10	JP	0.17	2.00	ug/kg
Q3032-04	SOIL-PILE-2	SOIL	4,4-DDD	1.70	J	0.18	2.00	ug/kg
Q3032-04	SOIL-PILE-2	SOIL	4,4-DDT	6.90		0.17	2.00	ug/kg
Q3032-04	SOIL-PILE-2	SOIL	alpha-Chlordane	1.10	JP	0.14	2.00	ug/kg
Q3032-04	SOIL-PILE-2	SOIL	gamma-Chlordane	0.55	JP	0.18	2.00	ug/kg
			Total Concentration:	**13.050**				

SAMPLE DATA

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090205.D	1	09/08/25 09:00	09/08/25 19:47	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.45	JP	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.57	JP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.31	J	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.3		30 (20) - 150 (144)	71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		30 (19) - 150 (148)	90%	SPK: 20

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090205.D	1	09/08/25 09:00	09/08/25 19:47	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090191.D	1	09/08/25 09:00	09/08/25 15:11	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	1.70	J	0.17	2.00	ug/kg
72-20-8	Endrin	1.10	JP	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	1.70	J	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	6.90		0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	1.10	JP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.55	JP	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.29		30 (20) - 150 (144)	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.4		30 (19) - 150 (148)	57%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090191.D	1	09/08/25 09:00	09/08/25 15:11	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	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

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089961.D	PIBLK-PD089961.D	Decachlorobiphen	1	20	19.3	96		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.4	87		30 (61)	150 (148)
		Decachlorobiphen	2	20	18.3	91		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	17.5	88		30 (61)	150 (148)
I.BLK-PD090182.D	PIBLK-PD090182.D	Decachlorobiphen	1	20	17.9	89		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphen	2	20	16.0	80		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.7	104		30 (61)	150 (148)
Q3032-04	SOIL-PILE-2	Decachlorobiphen	1	20	8.29	41		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	10.3	52		30 (19)	150 (148)
		Decachlorobiphen	2	20	4.86	24	*	30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	11.4	57		30 (19)	150 (148)
PB169592BL	PB169592BL	Decachlorobiphen	1	20	15.7	78		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	17.0	85		30 (19)	150 (148)
		Decachlorobiphen	2	20	12.2	61		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	18.4	92		30 (19)	150 (148)
I.BLK-PD090194.D	PIBLK-PD090194.D	Decachlorobiphen	1	20	18.1	90		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.0	95		30 (61)	150 (148)
		Decachlorobiphen	2	20	14.9	74		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.6	103		30 (61)	150 (148)
I.BLK-PD090202.D	PIBLK-PD090202.D	Decachlorobiphen	1	20	19.0	95		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.8	94		30 (61)	150 (148)
		Decachlorobiphen	2	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.6	103		30 (61)	150 (148)
Q3032-01	SOIL-PILE-1	Decachlorobiphen	1	20	14.3	71		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	17.1	86		30 (19)	150 (148)
		Decachlorobiphen	2	20	12.7	64		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	17.9	90		30 (19)	150 (148)
Q3032-01MS	SOIL-PILE-1MS	Decachlorobiphen	1	20	13.7	69		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	17.4	87		30 (19)	150 (148)
		Decachlorobiphen	2	20	13.2	66		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	18.8	94		30 (19)	150 (148)
Q3032-01MSD	SOIL-PILE-1MSD	Decachlorobiphen	1	20	13.4	67		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	17.5	87		30 (19)	150 (148)
		Decachlorobiphen	2	20	12.9	65		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	18.8	94		30 (19)	150 (148)
I.BLK-PD090208.D	PIBLK-PD090208.D	Decachlorobiphen	1	20	17.8	89		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.8	94		30 (61)	150 (148)
		Decachlorobiphen	2	20	16.6	83		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.6	103		30 (61)	150 (148)
I.BLK-PD090211.D	PIBLK-PD090211.D	Decachlorobiphen	1	20	19.6	98		30 (57)	150 (171)

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Surrogate Summary

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD090211.D	PIBLK-PD090211.D	Tetrachloro-m-xyl	1	20	19.4	97		30 (61)	150 (148)
		Decachlorobiphen	2	20	19.8	99		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.2	111		30 (61)	150 (148)
PB169592BS	PB169592BS	Decachlorobiphen	1	20	24.2	121		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	24.9	124		30 (19)	150 (148)
		Decachlorobiphen	2	20	24.3	122		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	24.9	125		30 (19)	150 (148)
I.BLK-PD090216.D	PIBLK-PD090216.D	Decachlorobiphen	1	20	20.8	104		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.2	101		30 (61)	150 (148)
		Decachlorobiphen	2	20	21.2	106		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.8	109		30 (61)	150 (148)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8081B

Client: Zuccaro Inc. **DataFile :** PD090206.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3032-01MS (Column 1)**	**Client Sample ID:**		**SOIL-PILE-1MS**								
	alpha-BHC	20.02	0	19.3	ug/kg	96				30 (60)	150 (144)	
	beta-BHC	20.02	0	18.0	ug/kg	90				30 (54)	150 (143)	
	delta-BHC	20.02	0	20.3	ug/kg	101				30 (29)	150 (151)	
	gamma-BHC (Lindane)	20.02	0	19.6	ug/kg	98				30 (61)	150 (140)	
	Heptachlor	20.02	0	18.0	ug/kg	90				30 (63)	150 (135)	
	Aldrin	20.02	0	19.1	ug/kg	95				30 (49)	150 (139)	
	Heptachlor epoxide	20.02	0	18.7	ug/kg	93				30 (41)	150 (156)	
	Endosulfan I	20.02	0	18.8	ug/kg	94				30 (56)	150 (142)	
	Dieldrin	20.02	0.18	18.6	ug/kg	92				30 (47)	150 (161)	
	4,4'-DDE	20.02	0	17.9	ug/kg	89				30 (55)	150 (136)	
	Endrin	20.02	0	18.1	ug/kg	90				30 (57)	150 (139)	
	Endosulfan II	20.02	0	17.7	ug/kg	88				30 (40)	150 (163)	
	4,4'-DDD	20.02	0	19.1	ug/kg	95				30 (47)	150 (163)	
	Endosulfan sulfate	20.02	0	17.3	ug/kg	86				30 (62)	150 (139)	
	4,4'-DDT	20.02	0	16.2	ug/kg	81				30 (51)	150 (146)	
	Methoxychlor	20.02	0	14.6	ug/kg	73				30 (54)	150 (136)	
	Endrin ketone	20.02	0	17.4	ug/kg	87				30 (60)	150 (129)	
	Endrin aldehyde	20.02	0	18.8	ug/kg	94				30 (59)	150 (132)	
	alpha-Chlordane	20.02	0.57	19.0	ug/kg	92				30 (39)	150 (166)	
	gamma-Chlordane	20.02	0.29	18.7	ug/kg	92				30 (44)	150 (175)	
Lab Sample ID:	**Q3032-01MS (Column 2)**	**Client Sample ID:**		**SOIL-PILE-1MS**								
	alpha-BHC	20.02	0	19.3	ug/kg	96				30 (60)	150 (144)	
	beta-BHC	20.02	0	24.7	ug/kg	123				30 (54)	150 (143)	
	delta-BHC	20.02	0	18.9	ug/kg	94				30 (29)	150 (151)	
	gamma-BHC (Lindane)	20.02	0	19.2	ug/kg	96				30 (61)	150 (140)	
	Heptachlor	20.02	0	18.5	ug/kg	92				30 (63)	150 (135)	
	Aldrin	20.02	0	19.0	ug/kg	95				30 (49)	150 (139)	
	Heptachlor epoxide	20.02	0	18.9	ug/kg	94				30 (41)	150 (156)	
	Endosulfan I	20.02	0	17.6	ug/kg	88				30 (56)	150 (142)	
	Dieldrin	20.02	0.45	19.3	ug/kg	94				30 (47)	150 (161)	
	4,4'-DDE	20.02	0	18.7	ug/kg	93				30 (55)	150 (136)	
	Endrin	20.02	0	18.4	ug/kg	92				30 (57)	150 (139)	
	Endosulfan II	20.02	0	18.3	ug/kg	91				30 (40)	150 (163)	
	4,4'-DDD	20.02	0	17.8	ug/kg	89				30 (47)	150 (163)	
	Endosulfan sulfate	20.02	0	17.2	ug/kg	86				30 (62)	150 (139)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8081B

Client: Zuccaro Inc. **DataFile :** PD090206.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	20.02	0	16.6	ug/kg	83				30 (51)	150 (146)	
Methoxychlor	20.02	0	15.5	ug/kg	77				30 (54)	150 (136)	
Endrin ketone	20.02	0	16.3	ug/kg	81				30 (60)	150 (129)	
Endrin aldehyde	20.02	0	18.8	ug/kg	94				30 (59)	150 (132)	
alpha-Chlordane	20.02	0.26	19.2	ug/kg	95				30 (39)	150 (166)	
gamma-Chlordane	20.02	0.31	19.5	ug/kg	96				30 (44)	150 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8081B

Client: Zuccaro Inc. **DataFile :** PD090207.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3032-01MSD (Column 1)**	**Client Sample ID:**		**SOIL-PILE-1MSD**								
	alpha-BHC	20.04	0	19.3	ug/kg	96		0		30 (60)	150 (144)	30 (20)
	beta-BHC	20.04	0	18.0	ug/kg	90		0		30 (54)	150 (143)	30 (20)
	delta-BHC	20.04	0	20.6	ug/kg	103		2		30 (29)	150 (151)	30 (20)
	gamma-BHC (Lindane)	20.04	0	19.6	ug/kg	98		0		30 (61)	150 (140)	30 (20)
	Heptachlor	20.04	0	18.1	ug/kg	90		0		30 (63)	150 (135)	30 (20)
	Aldrin	20.04	0	18.9	ug/kg	94		1		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	20.04	0	18.7	ug/kg	93		0		30 (41)	150 (156)	30 (20)
	Endosulfan I	20.04	0	18.7	ug/kg	93		1		30 (56)	150 (142)	30 (20)
	Dieldrin	20.04	0.18	18.6	ug/kg	92		0		30 (47)	150 (161)	30 (20)
	4,4'-DDE	20.04	0	17.9	ug/kg	89		0		30 (55)	150 (136)	30 (20)
	Endrin	20.04	0	18.0	ug/kg	90		0		30 (57)	150 (139)	30 (20)
	Endosulfan II	20.04	0	17.6	ug/kg	88		0		30 (40)	150 (163)	30 (20)
	4,4'-DDD	20.04	0	19.0	ug/kg	95		0		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	20.04	0	17.1	ug/kg	85		1		30 (62)	150 (139)	30 (20)
	4,4'-DDT	20.04	0	16.4	ug/kg	82		1		30 (51)	150 (146)	30 (20)
	Methoxychlor	20.04	0	14.5	ug/kg	72		1		30 (54)	150 (136)	30 (20)
	Endrin ketone	20.04	0	17.3	ug/kg	86		1		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	20.04	0	18.7	ug/kg	93		1		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	20.04	0.57	18.8	ug/kg	91		1		30 (39)	150 (166)	30 (20)
	gamma-Chlordane	20.04	0.29	18.4	ug/kg	90		2		30 (44)	150 (175)	30 (20)
Lab Sample ID:	**Q3032-01MSD (Column 2)**	**Client Sample ID:**		**SOIL-PILE-1MSD**								
	alpha-BHC	20.04	0	19.3	ug/kg	96		0		30 (60)	150 (144)	30 (20)
	beta-BHC	20.04	0	24.7	ug/kg	123		0		30 (54)	150 (143)	30 (20)
	delta-BHC	20.04	0	18.8	ug/kg	94		0		30 (29)	150 (151)	30 (20)
	gamma-BHC (Lindane)	20.04	0	19.2	ug/kg	96		0		30 (61)	150 (140)	30 (20)
	Heptachlor	20.04	0	18.5	ug/kg	92		0		30 (63)	150 (135)	30 (20)
	Aldrin	20.04	0	19.0	ug/kg	95		0		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	20.04	0	19.0	ug/kg	95		1		30 (41)	150 (156)	30 (20)
	Endosulfan I	20.04	0	17.5	ug/kg	87		1		30 (56)	150 (142)	30 (20)
	Dieldrin	20.04	0.45	19.2	ug/kg	94		0		30 (47)	150 (161)	30 (20)
	4,4'-DDE	20.04	0	18.6	ug/kg	93		0		30 (55)	150 (136)	30 (20)
	Endrin	20.04	0	18.2	ug/kg	91		1		30 (57)	150 (139)	30 (20)
	Endosulfan II	20.04	0	18.1	ug/kg	90		1		30 (40)	150 (163)	30 (20)
	4,4'-DDD	20.04	0	17.7	ug/kg	88		1		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	20.04	0	17.0	ug/kg	85		1		30 (62)	150 (139)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8081B

Client: Zuccaro Inc. **DataFile :** PD090207.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	20.04	0	16.5	ug/kg	82		1		30 (51)	150 (146)	30 (20)
Methoxychlor	20.04	0	15.3	ug/kg	76		1		30 (54)	150 (136)	30 (20)
Endrin ketone	20.04	0	16.0	ug/kg	80		1		30 (60)	150 (129)	30 (20)
Endrin aldehyde	20.04	0	18.5	ug/kg	92		2		30 (59)	150 (132)	30 (20)
alpha-Chlordane	20.04	0.26	19.1	ug/kg	94		1		30 (39)	150 (166)	30 (20)
gamma-Chlordane	20.04	0.31	19.6	ug/kg	96		0		30 (44)	150 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8081B

Client: Zuccaro Inc. **Datafile :** PD090215.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169592BS (Column 1)	alpha-BHC	16.66	16.8	ug/kg	101				40 (84)	140 (123)	
	beta-BHC	16.66	16.3	ug/kg	98				40 (82)	140 (123)	
	delta-BHC	16.66	15.4	ug/kg	92				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	16.6	ug/kg	100				40 (83)	140 (125)	
	Heptachlor	16.66	15.9	ug/kg	95				40 (83)	140 (122)	
	Aldrin	16.66	17.2	ug/kg	103				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	16.9	ug/kg	101				40 (83)	140 (120)	
	Endosulfan I	16.66	17.0	ug/kg	102				40 (81)	140 (124)	
	Dieldrin	16.66	17.2	ug/kg	103				40 (85)	140 (121)	
	4,4'-DDE	16.66	17.3	ug/kg	104				40 (81)	140 (123)	
	Endrin	16.66	13.5	ug/kg	81				40 (76)	140 (130)	
	Endosulfan II	16.66	16.8	ug/kg	101				40 (80)	140 (125)	
	4,4'-DDD	16.66	18.1	ug/kg	109				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	16.3	ug/kg	98				40 (81)	140 (122)	
	4,4'-DDT	16.66	12.5	ug/kg	75				40 (70)	140 (129)	
	Methoxychlor	16.66	12.6	ug/kg	76				40 (60)	140 (119)	
	Endrin ketone	16.66	18.2	ug/kg	109				40 (77)	140 (132)	
	Endrin aldehyde	16.66	18.7	ug/kg	112				40 (79)	140 (124)	
	alpha-Chlordane	16.66	17.0	ug/kg	102				40 (84)	140 (120)	
	gamma-Chlordane	16.66	17.1	ug/kg	103				40 (83)	140 (122)	
PB169592BS (Column 2)	alpha-BHC	16.66	16.9	ug/kg	101				40 (84)	140 (123)	
	beta-BHC	16.66	16.8	ug/kg	101				40 (82)	140 (123)	
	delta-BHC	16.66	14.4	ug/kg	86				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	16.9	ug/kg	101				40 (83)	140 (125)	
	Heptachlor	16.66	15.8	ug/kg	95				40 (83)	140 (122)	
	Aldrin	16.66	17.1	ug/kg	103				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	17.0	ug/kg	102				40 (83)	140 (120)	
	Endosulfan I	16.66	17.1	ug/kg	103				40 (81)	140 (124)	
	Dieldrin	16.66	17.3	ug/kg	104				40 (85)	140 (121)	
	4,4'-DDE	16.66	17.3	ug/kg	104				40 (81)	140 (123)	
	Endrin	16.66	14.1	ug/kg	85				40 (76)	140 (130)	
	Endosulfan II	16.66	17.3	ug/kg	104				40 (80)	140 (125)	
	4,4'-DDD	16.66	18.6	ug/kg	112				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	16.7	ug/kg	100				40 (81)	140 (122)	
	4,4'-DDT	16.66	14.3	ug/kg	86				40 (70)	140 (129)	
	Methoxychlor	16.66	13.5	ug/kg	81				40 (60)	140 (119)	
	Endrin ketone	16.66	18.9	ug/kg	113				40 (77)	140 (132)	
	Endrin aldehyde	16.66	19.4	ug/kg	116				40 (79)	140 (124)	
	alpha-Chlordane	16.66	17.1	ug/kg	103				40 (84)	140 (120)	
	gamma-Chlordane	16.66	17.3	ug/kg	104				40 (83)	140 (122)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169592BL

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG NO.: Q3032

Lab Sample ID: PB169592BL Lab File ID: PD090192.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 09/08/2025

Date Analyzed (1): 09/08/2025 Date Analyzed (2): 09/08/2025

Time Analyzed (1): 15:25 Time Analyzed (2): 15:25

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
SOIL-PILE-2	Q3032-04	PD090191.D	09/08/2025	09/08/2025
SOIL-PILE-1	Q3032-01	PD090205.D	09/08/2025	09/08/2025
SOIL-PILE-1MS	Q3032-01MS	PD090206.D	09/08/2025	09/08/2025
SOIL-PILE-1MSD	Q3032-01MSD	PD090207.D	09/08/2025	09/08/2025
PB169592BS	PB169592BS	PD090215.D	09/09/2025	09/09/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169592BL	SDG No.:	Q3032
Lab Sample ID:	PB169592BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090192.D	1	09/08/25 09:00	09/08/25 15:25	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.7		30 (20) - 150 (144)	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		30 (19) - 150 (148)	92%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169592BL	SDG No.:	Q3032
Lab Sample ID:	PB169592BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090192.D	1	09/08/25 09:00	09/08/25 15:25	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	08/18/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	08/18/25
Client Sample ID:	PIBLK-PD089961.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD089961.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089961.D	1		08/18/25	pd081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		30 (57) - 150 (171)	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		30 (61) - 150 (148)	88%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	08/18/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	08/18/25
Client Sample ID:	PIBLK-PD089961.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD089961.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089961.D	1		08/18/25	pd081825

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090182.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090182.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090182.D	1		09/08/25	pd090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.9		30 (57) - 150 (171)	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		30 (61) - 150 (148)	104%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090182.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090182.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090182.D	1		09/08/25	pd090825

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090194.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090194.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090194.D	1		09/08/25	pd090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.1		30 (57) - 150 (171)	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (61) - 150 (148)	103%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090194.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090194.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090194.D	1		09/08/25	pd090825

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090202.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090202.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090202.D	1		09/08/25	pd090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.0		30 (57) - 150 (171)	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (61) - 150 (148)	103%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090202.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090202.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090202.D	1		09/08/25	pd090825

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090208.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090208.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090208.D	1		09/08/25	pd090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		30 (57) - 150 (171)	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (61) - 150 (148)	103%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090208.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090208.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090208.D	1		09/08/25	pd090825

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/09/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/09/25
Client Sample ID:	PIBLK-PD090211.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090211.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090211.D	1		09/09/25	PD090925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.8		30 (57) - 150 (171)	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		30 (61) - 150 (148)	111%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/09/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/09/25
Client Sample ID:	PIBLK-PD090211.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090211.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090211.D	1		09/09/25	PD090925

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/09/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/09/25
Client Sample ID:	PIBLK-PD090216.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090216.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090216.D	1		09/09/25	pd090925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		30 (57) - 150 (171)	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		30 (61) - 150 (148)	109%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/09/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/09/25
Client Sample ID:	PIBLK-PD090216.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PD090216.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090216.D	1		09/09/25	pd090925

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169592BS	SDG No.:	Q3032
Lab Sample ID:	PB169592BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 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
PD090215.D	1	09/08/25 09:00	09/09/25 14:52	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.9		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.8		0.18	1.70	ug/kg
319-86-8	delta-BHC	15.4		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	15.9		0.12	1.70	ug/kg
309-00-2	Aldrin	17.2		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.0		0.19	1.70	ug/kg
959-98-8	Endosulfan I	17.1		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.3		0.14	1.70	ug/kg
72-20-8	Endrin	14.1		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.3		0.29	1.70	ug/kg
72-54-8	4,4-DDD	18.6		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.13	1.70	ug/kg
50-29-3	4,4-DDT	14.3		0.14	1.70	ug/kg
72-43-5	Methoxychlor	13.5		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	18.9		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	19.4		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.1		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.3		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.3		30 (20) - 150 (144)	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.9		30 (19) - 150 (148)	125%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169592BS	SDG No.:	Q3032
Lab Sample ID:	PB169592BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 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
PD090215.D	1	09/08/25 09:00	09/09/25 14:52	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 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
PD090206.D	1	09/08/25 09:00	09/08/25 20:00	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.3		0.16	2.00	ug/kg
319-85-7	beta-BHC	24.7		0.22	2.00	ug/kg
319-86-8	delta-BHC	20.3		0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	19.6		0.17	2.00	ug/kg
76-44-8	Heptachlor	18.5		0.14	2.00	ug/kg
309-00-2	Aldrin	19.1		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	18.9		0.23	2.00	ug/kg
959-98-8	Endosulfan I	18.8		0.17	2.00	ug/kg
60-57-1	Dieldrin	19.3		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.7		0.17	2.00	ug/kg
72-20-8	Endrin	18.4		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	18.3		0.35	2.00	ug/kg
72-54-8	4,4-DDD	19.1		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	17.3		0.16	2.00	ug/kg
50-29-3	4,4-DDT	16.6		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.5		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	17.4		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	18.8		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	19.2		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.5		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.7		30 (20) - 150 (144)	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		30 (19) - 150 (148)	94%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 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
PD090206.D	1	09/08/25 09:00	09/08/25 20:00	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090207.D	1	09/08/25 09:00	09/08/25 20:14	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.3		0.16	2.00	ug/kg
319-85-7	beta-BHC	24.7		0.22	2.00	ug/kg
319-86-8	delta-BHC	20.6		0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	19.6		0.17	2.00	ug/kg
76-44-8	Heptachlor	18.5		0.14	2.00	ug/kg
309-00-2	Aldrin	19.0		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	19.0		0.23	2.00	ug/kg
959-98-8	Endosulfan I	18.7		0.17	2.00	ug/kg
60-57-1	Dieldrin	19.2		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.6		0.17	2.00	ug/kg
72-20-8	Endrin	18.2		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	18.1		0.35	2.00	ug/kg
72-54-8	4,4-DDD	19.0		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.16	2.00	ug/kg
50-29-3	4,4-DDT	16.5		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.3		0.45	2.00	ug/kg
53494-70-5	Endrin ketone	17.3		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	18.7		0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	19.1		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.6		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.4		30 (20) - 150 (144)	67%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		30 (19) - 150 (148)	94%	SPK: 20

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090207.D	1	09/08/25 09:00	09/08/25 20:14	PB169592

CAS Number	Parameter	Conc.	Qualifier	MDL	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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 11:25 12:20

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD089964.D RT 075 = PD089965.D
RT 050 = PD089966.D RT 025 = PD089967.D RT 005 = PD089968.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.03	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.52	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.35	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 11:25 12:20

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD089964.D RT 075 = PD089965.D
RT 050 = PD089966.D RT 025 = PD089967.D RT 005 = PD089968.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.07	8.07	8.07	8.06	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.78	5.79	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 11:25 12:20

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD089964.D CF 075 = PD089965.D
CF 050 = PD089966.D CF 025 = PD089967.D CF 005 = PD089968.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3624120000	3462270000	3457660000	3265820000	3485670000	3459110000	4
4,4'-DDE	4626960000	4438390000	4404140000	4140750000	4331330000	4388310000	4
4,4'-DDT	3975570000	3816810000	3832620000	3619780000	3803930000	3809740000	3
Aldrin	5668260000	5424570000	5410420000	5143250000	5426150000	5414530000	3
alpha-BHC	6564570000	6222340000	6076620000	5609710000	5537900000	6002230000	7
alpha-Chlordane	5001030000	4849920000	4872480000	4705810000	5182860000	4922420000	4
beta-BHC	2190370000	2136080000	2186000000	2198420000	2504240000	2243020000	7
Decachlorobiphenyl	3986110000	3969720000	4147630000	4315890000	5160360000	4315940000	11
delta-BHC	5594230000	5259320000	5241270000	4866470000	4927250000	5177710000	6
Dieldrin	5101560000	4896810000	4892720000	4649520000	4938220000	4895770000	3
Endosulfan I	4658430000	4521140000	4563060000	4438270000	4893500000	4614880000	4
Endosulfan II	4207790000	4064330000	4140160000	4044550000	4641790000	4219720000	6
Endosulfan sulfate	3909960000	3792530000	3865770000	3781510000	4242700000	3918500000	5
Endrin	4304200000	4131030000	4163360000	3917830000	4201430000	4143570000	3
Endrin aldehyde	2808090000	2745580000	2790240000	2785520000	3206350000	2867160000	7
Endrin ketone	4165230000	4039380000	4100930000	4005880000	4411220000	4144530000	4
gamma-BHC (Lindane)	6124020000	5822650000	5736200000	5394590000	5556740000	5726840000	5
gamma-Chlordane	5032010000	4878750000	4857490000	4658710000	5027960000	4890980000	3
Heptachlor	5823490000	5610320000	5567440000	5314250000	5730360000	5609170000	3
Heptachlor epoxide	4903870000	4710630000	4793240000	4635070000	5491190000	4906800000	7
Methoxychlor	1937810000	1915290000	1982900000	1982920000	2209170000	2005620000	6
Tetrachloro-m-xylene	2917140000	2829280000	2874020000	2840660000	3213090000	2934840000	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 11:25 12:20

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD089964.D CF 075 = PD089965.D
CF 050 = PD089966.D CF 025 = PD089967.D CF 005 = PD089968.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	22516800000	22539900000	23346000000	24042100000	27773700000	24043700000	9
4,4'-DDE	27113000000	27019200000	27887400000	28678000000	33416200000	28822800000	9
4,4'-DDT	23990000000	24023200000	24827600000	25108600000	27399200000	25069700000	6
Aldrin	28837000000	28725400000	29547400000	30298100000	34870500000	30455700000	8
alpha-BHC	32680000000	32178400000	33006800000	33320200000	38508700000	33938800000	8
alpha-Chlordane	26752600000	26620200000	27532400000	28392200000	33393000000	28538100000	10
beta-BHC	12414000000	12365000000	12842100000	13315800000	15714100000	13330200000	10
Decachlorobiphenyl	23779200000	23963600000	24979900000	25602900000	31103700000	25885900000	12
delta-BHC	30159900000	29900600000	30631600000	31120600000	35936300000	31549800000	8
Dieldrin	27315200000	27373800000	28374700000	29249600000	34122500000	29287200000	10
Endosulfan I	24263100000	24395900000	25356800000	26391300000	30701900000	26221800000	10
Endosulfan II	23285800000	23417600000	24436800000	25378900000	29954000000	25294600000	11
Endosulfan sulfate	22430300000	22611400000	23494500000	24469500000	28892000000	24379500000	11
Endrin	24304500000	24536800000	25710300000	26502700000	32106800000	26632200000	12
Endrin aldehyde	15818300000	15996400000	16540900000	17378800000	20365300000	17219900000	11
Endrin ketone	24365300000	24756300000	25905100000	26991400000	31204600000	26644500000	10
gamma-BHC (Lindane)	30012600000	29626300000	30389800000	30823600000	35001200000	31170700000	7
gamma-Chlordane	27925200000	27737800000	28720300000	29587900000	34085100000	29611300000	9
Heptachlor	29303500000	29221000000	30284200000	31044900000	36104500000	31191600000	9
Heptachlor epoxide	25599400000	25694300000	26706500000	27640400000	32833500000	27694800000	11
Methoxychlor	11658500000	11925200000	12638700000	13125700000	15130800000	12895800000	11
Tetrachloro-m-xylene	20746800000	20549600000	21227800000	21856800000	25871800000	22050500000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_D **Date(s) Analyzed:** 08/18/2025 08/18/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	40562300
		2	6.44	6.34	6.54	53517200
		3	7.15	7.05	7.25	101826000
		4	7.56	7.46	7.66	130379000
		5	7.93	7.83	8.03	75181300

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_D **Date(s) Analyzed:** 08/18/2025 08/18/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	218810000
		2	5.64	5.54	5.74	149373000
		3	6.75	6.65	6.85	724168000
		4	7.19	7.09	7.29	490399000
		5	7.32	7.22	7.42	361533000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 10:26 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 10:26 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.99	6.89	7.09	0.01
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090184.D **Time Analyzed:** 10:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.602	6.802	53.070	50.000	6.1
4,4'-DDE	6.197	6.092	6.292	52.240	50.000	4.5
4,4'-DDT	7.021	6.918	7.118	42.620	50.000	-14.8
Aldrin	5.272	5.167	5.367	55.000	50.000	10.0
alpha-BHC	4.002	3.897	4.097	56.190	50.000	12.4
alpha-Chlordane	6.027	5.924	6.124	52.730	50.000	5.5
beta-BHC	4.519	4.414	4.614	53.430	50.000	6.9
Decachlorobiphenyl	9.071	8.967	9.167	44.920	50.000	-10.2
delta-BHC	4.767	4.662	4.862	59.210	50.000	18.4
Dieldrin	6.347	6.244	6.444	52.480	50.000	5.0
Endosulfan I	6.075	5.971	6.171	52.330	50.000	4.7
Endosulfan II	6.787	6.683	6.883	50.670	50.000	1.3
Endosulfan sulfate	7.150	7.047	7.247	49.400	50.000	-1.2
Endrin	6.575	6.471	6.671	46.010	50.000	-8.0
Endrin aldehyde	6.915	6.812	7.012	51.780	50.000	3.6
Endrin ketone	7.630	7.527	7.727	50.890	50.000	1.8
gamma-BHC (Lindane)	4.333	4.228	4.428	55.240	50.000	10.5
gamma-Chlordane	5.947	5.843	6.043	54.220	50.000	8.4
Heptachlor	4.930	4.826	5.026	52.020	50.000	4.0
Heptachlor epoxide	5.691	5.587	5.787	53.170	50.000	6.3
Methoxychlor	7.494	7.390	7.590	44.130	50.000	-11.7
Tetrachloro-m-xylene	3.552	3.448	3.648	51.740	50.000	3.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090184.D **Time Analyzed:** 10:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.824	6.024	53.190	50.000	6.4
4,4'-DDE	5.369	5.269	5.469	52.870	50.000	5.7
4,4'-DDT	6.176	6.078	6.278	44.640	50.000	-10.7
Aldrin	4.363	4.264	4.464	53.740	50.000	7.5
alpha-BHC	3.389	3.290	3.490	53.820	50.000	7.6
alpha-Chlordane	5.184	5.085	5.285	53.110	50.000	6.2
beta-BHC	4.021	3.921	4.121	53.180	50.000	6.4
Decachlorobiphenyl	8.064	7.965	8.165	42.470	50.000	-15.1
delta-BHC	4.257	4.158	4.358	53.390	50.000	6.8
Dieldrin	5.506	5.407	5.607	52.560	50.000	5.1
Endosulfan I	5.241	5.142	5.342	53.030	50.000	6.1
Endosulfan II	6.073	5.975	6.175	51.460	50.000	2.9
Endosulfan sulfate	6.475	6.377	6.577	49.690	50.000	-0.6
Endrin	5.782	5.684	5.884	44.890	50.000	-10.2
Endrin aldehyde	6.252	6.153	6.353	52.820	50.000	5.6
Endrin ketone	6.984	6.886	7.086	51.680	50.000	3.4
gamma-BHC (Lindane)	3.725	3.626	3.826	54.020	50.000	8.0
gamma-Chlordane	5.119	5.020	5.220	53.690	50.000	7.4
Heptachlor	4.078	3.978	4.178	50.160	50.000	0.3
Heptachlor epoxide	4.867	4.767	4.967	53.100	50.000	6.2
Methoxychlor	6.747	6.649	6.849	45.470	50.000	-9.1
Tetrachloro-m-xylene	2.877	2.778	2.978	51.780	50.000	3.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 16:26 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 16:26 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090195.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.602	6.802	51.260	50.000	2.5
4,4'-DDE	6.200	6.092	6.292	51.310	50.000	2.6
4,4'-DDT	7.025	6.918	7.118	42.480	50.000	-15.0
Aldrin	5.275	5.167	5.367	53.130	50.000	6.3
alpha-BHC	4.004	3.897	4.097	55.450	50.000	10.9
alpha-Chlordane	6.031	5.924	6.124	51.770	50.000	3.5
beta-BHC	4.522	4.414	4.614	53.030	50.000	6.1
Decachlorobiphenyl	9.075	8.967	9.167	46.100	50.000	-7.8
delta-BHC	4.768	4.662	4.862	59.320	50.000	18.6
Dieldrin	6.351	6.244	6.444	50.740	50.000	1.5
Endosulfan I	6.078	5.971	6.171	51.310	50.000	2.6
Endosulfan II	6.790	6.683	6.883	49.020	50.000	-2.0
Endosulfan sulfate	7.154	7.047	7.247	47.820	50.000	-4.4
Endrin	6.578	6.471	6.671	44.370	50.000	-11.3
Endrin aldehyde	6.919	6.812	7.012	50.550	50.000	1.1
Endrin ketone	7.632	7.527	7.727	48.390	50.000	-3.2
gamma-BHC (Lindane)	4.335	4.228	4.428	55.150	50.000	10.3
gamma-Chlordane	5.950	5.843	6.043	52.850	50.000	5.7
Heptachlor	4.933	4.826	5.026	51.820	50.000	3.6
Heptachlor epoxide	5.695	5.587	5.787	51.560	50.000	3.1
Methoxychlor	7.497	7.390	7.590	44.620	50.000	-10.8
Tetrachloro-m-xylene	3.555	3.448	3.648	50.690	50.000	1.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090195.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.924	5.824	6.024	52.550	50.000	5.1
4,4'-DDE	5.370	5.269	5.469	51.160	50.000	2.3
4,4'-DDT	6.178	6.078	6.278	44.710	50.000	-10.6
Aldrin	4.363	4.264	4.464	53.040	50.000	6.1
alpha-BHC	3.389	3.290	3.490	53.270	50.000	6.5
alpha-Chlordane	5.184	5.085	5.285	51.390	50.000	2.8
beta-BHC	4.021	3.921	4.121	52.700	50.000	5.4
Decachlorobiphenyl	8.066	7.965	8.165	40.630	50.000	-18.7
delta-BHC	4.258	4.158	4.358	53.150	50.000	6.3
Dieldrin	5.507	5.407	5.607	51.240	50.000	2.5
Endosulfan I	5.242	5.142	5.342	51.490	50.000	3.0
Endosulfan II	6.075	5.975	6.175	49.650	50.000	-0.7
Endosulfan sulfate	6.477	6.377	6.577	47.960	50.000	-4.1
Endrin	5.784	5.684	5.884	46.010	50.000	-8.0
Endrin aldehyde	6.253	6.153	6.353	51.080	50.000	2.2
Endrin ketone	6.986	6.886	7.086	47.540	50.000	-4.9
gamma-BHC (Lindane)	3.726	3.626	3.826	53.250	50.000	6.5
gamma-Chlordane	5.120	5.020	5.220	51.970	50.000	3.9
Heptachlor	4.078	3.978	4.178	50.930	50.000	1.9
Heptachlor epoxide	4.867	4.767	4.967	52.090	50.000	4.2
Methoxychlor	6.748	6.649	6.849	46.820	50.000	-6.4
Tetrachloro-m-xylene	2.877	2.778	2.978	51.420	50.000	2.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 18:59 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 18:59 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090203.D **Time Analyzed:** 18:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.602	6.802	54.330	50.000	8.7
4,4'-DDE	6.196	6.092	6.292	53.410	50.000	6.8
4,4'-DDT	7.022	6.918	7.118	44.580	50.000	-10.8
Aldrin	5.271	5.167	5.367	55.000	50.000	10.0
alpha-BHC	4.002	3.897	4.097	55.640	50.000	11.3
alpha-Chlordane	6.027	5.924	6.124	53.700	50.000	7.4
beta-BHC	4.519	4.414	4.614	53.280	50.000	6.6
Decachlorobiphenyl	9.071	8.967	9.167	57.100	50.000	14.2
delta-BHC	4.767	4.662	4.862	59.230	50.000	18.5
Dieldrin	6.347	6.244	6.444	53.030	50.000	6.1
Endosulfan I	6.075	5.971	6.171	53.140	50.000	6.3
Endosulfan II	6.787	6.683	6.883	51.630	50.000	3.3
Endosulfan sulfate	7.150	7.047	7.247	50.760	50.000	1.5
Endrin	6.575	6.471	6.671	45.630	50.000	-8.7
Endrin aldehyde	6.916	6.812	7.012	53.610	50.000	7.2
Endrin ketone	7.631	7.527	7.727	51.850	50.000	3.7
gamma-BHC (Lindane)	4.332	4.228	4.428	54.910	50.000	9.8
gamma-Chlordane	5.946	5.843	6.043	54.790	50.000	9.6
Heptachlor	4.930	4.826	5.026	52.040	50.000	4.1
Heptachlor epoxide	5.691	5.587	5.787	53.350	50.000	6.7
Methoxychlor	7.494	7.390	7.590	46.950	50.000	-6.1
Tetrachloro-m-xylene	3.553	3.448	3.648	51.040	50.000	2.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090203.D **Time Analyzed:** 18:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.824	6.024	55.300	50.000	10.6
4,4'-DDE	5.368	5.269	5.469	53.630	50.000	7.3
4,4'-DDT	6.177	6.078	6.278	47.380	50.000	-5.2
Aldrin	4.363	4.264	4.464	54.000	50.000	8.0
alpha-BHC	3.389	3.290	3.490	54.220	50.000	8.4
alpha-Chlordane	5.184	5.085	5.285	53.630	50.000	7.3
beta-BHC	4.021	3.921	4.121	53.880	50.000	7.8
Decachlorobiphenyl	8.064	7.965	8.165	55.000	50.000	10.0
delta-BHC	4.257	4.158	4.358	54.080	50.000	8.2
Dieldrin	5.506	5.407	5.607	53.860	50.000	7.7
Endosulfan I	5.241	5.142	5.342	53.700	50.000	7.4
Endosulfan II	6.074	5.975	6.175	52.570	50.000	5.1
Endosulfan sulfate	6.476	6.377	6.577	51.720	50.000	3.4
Endrin	5.783	5.684	5.884	47.310	50.000	-5.4
Endrin aldehyde	6.252	6.153	6.353	55.490	50.000	11.0
Endrin ketone	6.985	6.886	7.086	53.820	50.000	7.6
gamma-BHC (Lindane)	3.725	3.626	3.826	54.250	50.000	8.5
gamma-Chlordane	5.120	5.020	5.220	54.040	50.000	8.1
Heptachlor	4.078	3.978	4.178	51.560	50.000	3.1
Heptachlor epoxide	4.867	4.767	4.967	53.600	50.000	7.2
Methoxychlor	6.747	6.649	6.849	50.960	50.000	1.9
Tetrachloro-m-xylene	2.877	2.778	2.978	52.030	50.000	4.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 20:41 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 20:41 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.99	6.89	7.09	0.01
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090209.D **Time Analyzed:** 20:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.602	6.802	53.910	50.000	7.8
4,4'-DDE	6.193	6.092	6.292	52.550	50.000	5.1
4,4'-DDT	7.018	6.918	7.118	43.940	50.000	-12.1
Aldrin	5.268	5.167	5.367	54.720	50.000	9.4
alpha-BHC	3.998	3.897	4.097	55.800	50.000	11.6
alpha-Chlordane	6.024	5.924	6.124	52.750	50.000	5.5
beta-BHC	4.515	4.414	4.614	53.260	50.000	6.5
Decachlorobiphenyl	9.066	8.967	9.167	55.140	50.000	10.3
delta-BHC	4.763	4.662	4.862	59.370	50.000	18.7
Dieldrin	6.343	6.244	6.444	52.680	50.000	5.4
Endosulfan I	6.071	5.971	6.171	52.380	50.000	4.8
Endosulfan II	6.783	6.683	6.883	50.870	50.000	1.7
Endosulfan sulfate	7.147	7.047	7.247	49.360	50.000	-1.3
Endrin	6.571	6.471	6.671	48.580	50.000	-2.8
Endrin aldehyde	6.912	6.812	7.012	50.960	50.000	1.9
Endrin ketone	7.627	7.527	7.727	50.280	50.000	0.6
gamma-BHC (Lindane)	4.329	4.228	4.428	55.030	50.000	10.1
gamma-Chlordane	5.943	5.843	6.043	53.640	50.000	7.3
Heptachlor	4.927	4.826	5.026	51.840	50.000	3.7
Heptachlor epoxide	5.688	5.587	5.787	52.660	50.000	5.3
Methoxychlor	7.490	7.390	7.590	46.340	50.000	-7.3
Tetrachloro-m-xylene	3.549	3.448	3.648	51.620	50.000	3.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090209.D **Time Analyzed:** 20:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.922	5.824	6.024	54.370	50.000	8.7
4,4'-DDE	5.368	5.269	5.469	52.890	50.000	5.8
4,4'-DDT	6.175	6.078	6.278	46.250	50.000	-7.5
Aldrin	4.363	4.264	4.464	54.220	50.000	8.4
alpha-BHC	3.389	3.290	3.490	54.810	50.000	9.6
alpha-Chlordane	5.184	5.085	5.285	52.950	50.000	5.9
beta-BHC	4.020	3.921	4.121	54.290	50.000	8.6
Decachlorobiphenyl	8.063	7.965	8.165	51.520	50.000	3.0
delta-BHC	4.257	4.158	4.358	54.550	50.000	9.1
Dieldrin	5.506	5.407	5.607	53.090	50.000	6.2
Endosulfan I	5.240	5.142	5.342	52.810	50.000	5.6
Endosulfan II	6.073	5.975	6.175	51.500	50.000	3.0
Endosulfan sulfate	6.475	6.377	6.577	49.860	50.000	-0.3
Endrin	5.782	5.684	5.884	49.940	50.000	-0.1
Endrin aldehyde	6.251	6.153	6.353	52.210	50.000	4.4
Endrin ketone	6.983	6.886	7.086	49.900	50.000	-0.2
gamma-BHC (Lindane)	3.725	3.626	3.826	54.950	50.000	9.9
gamma-Chlordane	5.119	5.020	5.220	53.410	50.000	6.8
Heptachlor	4.077	3.978	4.178	51.880	50.000	3.8
Heptachlor epoxide	4.866	4.767	4.967	53.340	50.000	6.7
Methoxychlor	6.746	6.649	6.849	49.810	50.000	-0.4
Tetrachloro-m-xylene	2.877	2.778	2.978	52.840	50.000	5.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/09/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 11:05 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/09/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 11:05 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.01
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.99	6.89	7.09	0.01
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 09/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090213.D **Time Analyzed:** 11:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.602	6.802	56.480	50.000	13.0
4,4'-DDE	6.193	6.092	6.292	53.220	50.000	6.4
4,4'-DDT	7.016	6.918	7.118	40.890	50.000	-18.2
Aldrin	5.266	5.167	5.367	53.890	50.000	7.8
alpha-BHC	3.998	3.897	4.097	54.950	50.000	9.9
alpha-Chlordane	6.023	5.924	6.124	51.950	50.000	3.9
beta-BHC	4.515	4.414	4.614	52.420	50.000	4.8
Decachlorobiphenyl	9.066	8.967	9.167	58.800	50.000	17.6
delta-BHC	4.763	4.662	4.862	58.860	50.000	17.7
Dieldrin	6.342	6.244	6.444	53.110	50.000	6.2
Endosulfan I	6.071	5.971	6.171	51.950	50.000	3.9
Endosulfan II	6.783	6.683	6.883	52.250	50.000	4.5
Endosulfan sulfate	7.145	7.047	7.247	51.000	50.000	2.0
Endrin	6.569	6.471	6.671	45.850	50.000	-8.3
Endrin aldehyde	6.912	6.812	7.012	53.430	50.000	6.9
Endrin ketone	7.627	7.527	7.727	53.900	50.000	7.8
gamma-BHC (Lindane)	4.327	4.228	4.428	53.720	50.000	7.4
gamma-Chlordane	5.943	5.843	6.043	53.280	50.000	6.6
Heptachlor	4.926	4.826	5.026	50.140	50.000	0.3
Heptachlor epoxide	5.687	5.587	5.787	51.980	50.000	4.0
Methoxychlor	7.490	7.390	7.590	44.480	50.000	-11.0
Tetrachloro-m-xylene	3.547	3.448	3.648	50.870	50.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 09/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090213.D **Time Analyzed:** 11:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.921	5.824	6.024	56.860	50.000	13.7
4,4'-DDE	5.367	5.269	5.469	53.990	50.000	8.0
4,4'-DDT	6.175	6.078	6.278	46.170	50.000	-7.7
Aldrin	4.362	4.264	4.464	54.380	50.000	8.8
alpha-BHC	3.389	3.290	3.490	54.320	50.000	8.6
alpha-Chlordane	5.183	5.085	5.285	53.870	50.000	7.7
beta-BHC	4.020	3.921	4.121	53.800	50.000	7.6
Decachlorobiphenyl	8.063	7.965	8.165	59.460	50.000	18.9
delta-BHC	4.256	4.158	4.358	53.990	50.000	8.0
Dieldrin	5.505	5.407	5.607	54.180	50.000	8.4
Endosulfan I	5.239	5.142	5.342	52.700	50.000	5.4
Endosulfan II	6.072	5.975	6.175	53.750	50.000	7.5
Endosulfan sulfate	6.474	6.377	6.577	52.850	50.000	5.7
Endrin	5.782	5.684	5.884	47.750	50.000	-4.5
Endrin aldehyde	6.251	6.153	6.353	56.170	50.000	12.3
Endrin ketone	6.983	6.886	7.086	55.890	50.000	11.8
gamma-BHC (Lindane)	3.724	3.626	3.826	54.280	50.000	8.6
gamma-Chlordane	5.118	5.020	5.220	54.440	50.000	8.9
Heptachlor	4.077	3.978	4.178	50.710	50.000	1.4
Heptachlor epoxide	4.865	4.767	4.967	53.590	50.000	7.2
Methoxychlor	6.746	6.649	6.849	47.120	50.000	-5.8
Tetrachloro-m-xylene	2.876	2.778	2.978	52.310	50.000	4.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/09/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 17:11 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.71	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/09/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 17:11 **Initial Calibration Time(s):** 11:25 12:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 09/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090217.D **Time Analyzed:** 17:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.602	6.802	53.240	50.000	6.5
4,4'-DDE	6.196	6.092	6.292	51.910	50.000	3.8
4,4'-DDT	7.021	6.918	7.118	40.410	50.000	-19.2
Aldrin	5.270	5.167	5.367	50.370	50.000	0.7
alpha-BHC	4.002	3.897	4.097	51.020	50.000	2.0
alpha-Chlordane	6.027	5.924	6.124	49.150	50.000	-1.7
beta-BHC	4.518	4.414	4.614	49.100	50.000	-1.8
Decachlorobiphenyl	9.071	8.967	9.167	57.230	50.000	14.5
delta-BHC	4.767	4.662	4.862	54.650	50.000	9.3
Dieldrin	6.346	6.244	6.444	49.640	50.000	-0.7
Endosulfan I	6.075	5.971	6.171	49.220	50.000	-1.6
Endosulfan II	6.785	6.683	6.883	47.740	50.000	-4.5
Endosulfan sulfate	7.149	7.047	7.247	47.630	50.000	-4.7
Endrin	6.573	6.471	6.671	44.240	50.000	-11.5
Endrin aldehyde	6.916	6.812	7.012	50.500	50.000	1.0
Endrin ketone	7.631	7.527	7.727	50.770	50.000	1.5
gamma-BHC (Lindane)	4.331	4.228	4.428	49.810	50.000	-0.4
gamma-Chlordane	5.947	5.843	6.043	49.910	50.000	-0.2
Heptachlor	4.930	4.826	5.026	47.450	50.000	-5.1
Heptachlor epoxide	5.692	5.587	5.787	49.020	50.000	-2.0
Methoxychlor	7.494	7.390	7.590	43.160	50.000	-13.7
Tetrachloro-m-xylene	3.552	3.448	3.648	50.800	50.000	1.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 09/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090217.D **Time Analyzed:** 17:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.824	6.024	53.540	50.000	7.1
4,4'-DDE	5.369	5.269	5.469	50.790	50.000	1.6
4,4'-DDT	6.177	6.078	6.278	44.820	50.000	-10.4
Aldrin	4.363	4.264	4.464	51.140	50.000	2.3
alpha-BHC	3.389	3.290	3.490	51.110	50.000	2.2
alpha-Chlordane	5.184	5.085	5.285	50.630	50.000	1.3
beta-BHC	4.021	3.921	4.121	50.310	50.000	0.6
Decachlorobiphenyl	8.064	7.965	8.165	58.230	50.000	16.5
delta-BHC	4.258	4.158	4.358	50.890	50.000	1.8
Dieldrin	5.507	5.407	5.607	51.290	50.000	2.6
Endosulfan I	5.241	5.142	5.342	47.140	50.000	-5.7
Endosulfan II	6.075	5.975	6.175	50.830	50.000	1.7
Endosulfan sulfate	6.476	6.377	6.577	50.200	50.000	0.4
Endrin	5.784	5.684	5.884	48.270	50.000	-3.5
Endrin aldehyde	6.253	6.153	6.353	53.430	50.000	6.9
Endrin ketone	6.986	6.886	7.086	53.170	50.000	6.3
gamma-BHC (Lindane)	3.725	3.626	3.826	51.120	50.000	2.2
gamma-Chlordane	5.119	5.020	5.220	51.100	50.000	2.2
Heptachlor	4.078	3.978	4.178	48.300	50.000	-3.4
Heptachlor epoxide	4.867	4.767	4.967	50.410	50.000	0.8
Methoxychlor	6.748	6.649	6.849	46.940	50.000	-6.1
Tetrachloro-m-xylene	2.878	2.778	2.978	49.060	50.000	-1.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD089962.D **Date Analyzed:** 08/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.067	8.970	9.170	19.240	20.000	-3.8
Tetrachloro-m-xylene	3.547	3.500	3.600	18.000	20.000	-10.0
alpha-BHC	3.996	3.950	4.050	8.460	10.000	-15.4
beta-BHC	4.514	4.460	4.560	9.550	10.000	-4.5
gamma-BHC (Lindane)	4.327	4.280	4.380	8.800	10.000	-12.0
Endrin	6.571	6.500	6.640	46.440	50.000	-7.1
4,4'-DDT	7.017	6.950	7.090	92.340	100.000	-7.7
Methoxychlor	7.490	7.420	7.560	216.780	250.000	-13.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD089962.D **Date Analyzed:** 08/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.065	7.960	8.170	18.090	20.000	-9.6
Tetrachloro-m-xylene	2.878	2.830	2.930	18.480	20.000	-7.6
alpha-BHC	3.390	3.340	3.440	9.940	10.000	-0.6
beta-BHC	4.022	3.970	4.070	10.050	10.000	0.5
gamma-BHC (Lindane)	3.726	3.680	3.780	9.780	10.000	-2.2
Endrin	5.784	5.710	5.850	44.880	50.000	-10.2
4,4'-DDT	6.177	6.110	6.250	86.730	100.000	-13.3
Methoxychlor	6.748	6.680	6.820	185.620	250.000	-25.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090183.D **Date Analyzed:** 09/08/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	17.290	20.000	-13.6
Tetrachloro-m-xylene	3.549	3.500	3.600	19.160	20.000	-4.2
alpha-BHC	3.998	3.950	4.050	9.150	10.000	-8.5
beta-BHC	4.515	4.460	4.570	10.160	10.000	1.6
gamma-BHC (Lindane)	4.328	4.280	4.380	9.380	10.000	-6.2
Endrin	6.571	6.500	6.640	40.570	50.000	-18.9
4,4'-DDT	7.018	6.950	7.090	71.170	100.000	-28.8
Methoxychlor	7.490	7.420	7.560	162.130	250.000	-35.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090183.D **Date Analyzed:** 09/08/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.063	7.960	8.160	16.260	20.000	-18.7
Tetrachloro-m-xylene	2.877	2.830	2.930	20.410	20.000	2.1
alpha-BHC	3.389	3.340	3.440	10.990	10.000	9.9
beta-BHC	4.020	3.970	4.070	10.900	10.000	9.0
gamma-BHC (Lindane)	3.724	3.670	3.770	10.810	10.000	8.1
Endrin	5.782	5.710	5.850	42.070	50.000	-15.9
4,4'-DDT	6.175	6.100	6.250	75.760	100.000	-24.2
Methoxychlor	6.746	6.680	6.820	145.130	250.000	-41.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090212.D **Date Analyzed:** 09/09/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:51

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.067	8.970	9.170	18.270	20.000	-8.7
Tetrachloro-m-xylene	3.549	3.500	3.600	19.080	20.000	-4.6
alpha-BHC	3.998	3.950	4.050	9.110	10.000	-8.9
beta-BHC	4.515	4.460	4.570	10.260	10.000	2.6
gamma-BHC (Lindane)	4.329	4.280	4.380	9.380	10.000	-6.2
Endrin	6.571	6.500	6.640	42.420	50.000	-15.2
4,4'-DDT	7.018	6.950	7.090	75.540	100.000	-24.5
Methoxychlor	7.491	7.420	7.560	173.540	250.000	-30.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090212.D **Date Analyzed:** 09/09/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:51

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.062	7.960	8.160	18.440	20.000	-7.8
Tetrachloro-m-xylene	2.877	2.830	2.930	20.790	20.000	4.0
alpha-BHC	3.388	3.340	3.440	11.200	10.000	12.0
beta-BHC	4.021	3.970	4.070	11.180	10.000	11.8
gamma-BHC (Lindane)	3.725	3.670	3.780	11.040	10.000	10.4
Endrin	5.782	5.710	5.850	44.780	50.000	-10.4
4,4'-DDT	6.175	6.100	6.250	81.030	100.000	-19.0
Methoxychlor	6.746	6.680	6.820	164.160	250.000	-34.3

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/18/2025	10:44	PD089961.D	9.07	3.55
PEM	PEM	08/18/2025	10:57	PD089962.D	9.07	3.55
RESCHK	RESCHK	08/18/2025	11:11	PD089963.D	9.07	3.55
PSTDICC100	PSTDICC100	08/18/2025	11:25	PD089964.D	9.07	3.55
PSTDICC075	PSTDICC075	08/18/2025	11:39	PD089965.D	9.07	3.55
PSTDICC050	PSTDICC050	08/18/2025	11:53	PD089966.D	9.07	3.55
PSTDICC025	PSTDICC025	08/18/2025	12:06	PD089967.D	9.07	3.55
PSTDICC005	PSTDICC005	08/18/2025	12:20	PD089968.D	9.07	3.55
PTOXICC500	PTOXICC500	08/18/2025	15:31	PD089976.D	9.07	3.55
PCHLORICC500	PCHLORICC500	08/19/2025	11:24	PD089988.D	9.07	3.55
I.BLK	I.BLK	09/08/2025	09:42	PD090182.D	9.07	3.55
PEM	PEM	09/08/2025	09:56	PD090183.D	9.07	3.55
PSTDCCC050	PSTDCCC050	09/08/2025	10:26	PD090184.D	9.07	3.55
SOIL-PILE-2	Q3032-04	09/08/2025	15:11	PD090191.D	9.07	3.55
PB169592BL	PB169592BL	09/08/2025	15:25	PD090192.D	9.07	3.55
I.BLK	I.BLK	09/08/2025	15:52	PD090194.D	9.07	3.55
PSTDCCC050	PSTDCCC050	09/08/2025	16:26	PD090195.D	9.08	3.56
I.BLK	I.BLK	09/08/2025	18:43	PD090202.D	9.07	3.55
PSTDCCC050	PSTDCCC050	09/08/2025	18:59	PD090203.D	9.07	3.55
SOIL-PILE-1	Q3032-01	09/08/2025	19:47	PD090205.D	9.07	3.55
SOIL-PILE-1MS	Q3032-01MS	09/08/2025	20:00	PD090206.D	9.07	3.55
SOIL-PILE-1MSD	Q3032-01MSD	09/08/2025	20:14	PD090207.D	9.07	3.55
I.BLK	I.BLK	09/08/2025	20:28	PD090208.D	9.07	3.55
PSTDCCC050	PSTDCCC050	09/08/2025	20:41	PD090209.D	9.07	3.55
I.BLK	I.BLK	09/09/2025	10:38	PD090211.D	9.07	3.55
PEM	PEM	09/09/2025	10:51	PD090212.D	9.07	3.55
PSTDCCC050	PSTDCCC050	09/09/2025	11:05	PD090213.D	9.07	3.55
PB169592BS	PB169592BS	09/09/2025	14:52	PD090215.D	9.08	3.56
I.BLK	I.BLK	09/09/2025	16:21	PD090216.D	9.08	3.56
PSTDCCC050	PSTDCCC050	09/09/2025	17:11	PD090217.D	9.07	3.55

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

Analytical Sequence

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/18/2025	10:44	PD089961.D	8.06	2.88
PEM	PEM	08/18/2025	10:57	PD089962.D	8.07	2.88
RESCHK	RESCHK	08/18/2025	11:11	PD089963.D	8.07	2.88
PSTDICC100	PSTDICC100	08/18/2025	11:25	PD089964.D	8.07	2.88
PSTDICC075	PSTDICC075	08/18/2025	11:39	PD089965.D	8.07	2.88
PSTDICC050	PSTDICC050	08/18/2025	11:53	PD089966.D	8.07	2.88
PSTDICC025	PSTDICC025	08/18/2025	12:06	PD089967.D	8.06	2.88
PSTDICC005	PSTDICC005	08/18/2025	12:20	PD089968.D	8.07	2.88
PTOXICC500	PTOXICC500	08/18/2025	15:31	PD089976.D	8.07	2.88
PCHLORICC500	PCHLORICC500	08/19/2025	11:24	PD089988.D	8.06	2.88
I.BLK	I.BLK	09/08/2025	09:42	PD090182.D	8.06	2.88
PEM	PEM	09/08/2025	09:56	PD090183.D	8.06	2.88
PSTDCCC050	PSTDCCC050	09/08/2025	10:26	PD090184.D	8.06	2.88
SOIL-PILE-2	Q3032-04	09/08/2025	15:11	PD090191.D	8.06	2.88
PB169592BL	PB169592BL	09/08/2025	15:25	PD090192.D	8.07	2.88
I.BLK	I.BLK	09/08/2025	15:52	PD090194.D	8.06	2.88
PSTDCCC050	PSTDCCC050	09/08/2025	16:26	PD090195.D	8.07	2.88
I.BLK	I.BLK	09/08/2025	18:43	PD090202.D	8.06	2.88
PSTDCCC050	PSTDCCC050	09/08/2025	18:59	PD090203.D	8.06	2.88
SOIL-PILE-1	Q3032-01	09/08/2025	19:47	PD090205.D	8.06	2.88
SOIL-PILE-1MS	Q3032-01MS	09/08/2025	20:00	PD090206.D	8.06	2.88
SOIL-PILE-1MSD	Q3032-01MSD	09/08/2025	20:14	PD090207.D	8.06	2.88
I.BLK	I.BLK	09/08/2025	20:28	PD090208.D	8.06	2.88
PSTDCCC050	PSTDCCC050	09/08/2025	20:41	PD090209.D	8.06	2.88
I.BLK	I.BLK	09/09/2025	10:38	PD090211.D	8.06	2.88
PEM	PEM	09/09/2025	10:51	PD090212.D	8.06	2.88
PSTDCCC050	PSTDCCC050	09/09/2025	11:05	PD090213.D	8.06	2.88
PB169592BS	PB169592BS	09/09/2025	14:52	PD090215.D	8.07	2.88
I.BLK	I.BLK	09/09/2025	16:21	PD090216.D	8.07	2.88
PSTDCCC050	PSTDCCC050	09/09/2025	17:11	PD090217.D	8.06	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB169592BS

Lab Name: Alliance
Contract: ZUCC01
Lab Code: ACE
SDG NO.: Q3032
Lab Sample ID: PB169592BS
Date(s) Analyzed: 09/09/2025 09/09/2025
Instrument ID (1): ECD_D
Instrument ID (2): ECD_D
GC Column: (1): ZB-MR1 **ID:** 0.32 (mm)
GC Column:(2): ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	18.1	2.7
	2	5.92	5.87	5.97	18.6	
4,4'-DDE	1	6.20	6.15	6.25	17.3	0
	2	5.37	5.32	5.42	17.3	
4,4'-DDT	1	7.03	6.98	7.08	12.5	13.4
	2	6.18	6.13	6.23	14.3	
alpha-BHC	1	4.01	3.96	4.06	16.8	0.6
	2	3.39	3.34	3.44	16.9	
Aldrin	1	5.28	5.23	5.33	17.2	0.6
	2	4.36	4.31	4.41	17.1	
alpha-Chlordane	1	6.03	5.98	6.08	17.0	0.6
	2	5.18	5.13	5.23	17.1	
Endosulfan II	1	6.79	6.74	6.84	16.8	2.9
	2	6.08	6.03	6.13	17.3	
Endosulfan sulfate	1	7.16	7.11	7.21	16.3	2.4
	2	6.48	6.43	6.53	16.7	
beta-BHC	1	4.52	4.47	4.57	16.3	3
	2	4.02	3.97	4.07	16.8	
delta-BHC	1	4.77	4.72	4.82	15.4	6.7
	2	4.26	4.21	4.31	14.4	
Endosulfan I	1	6.08	6.03	6.13	17.0	0.6
	2	5.24	5.19	5.29	17.1	
Dieldrin	1	6.35	6.30	6.40	17.2	0.6
	2	5.51	5.46	5.56	17.3	
Endrin aldehyde	1	6.92	6.87	6.97	18.7	3.7
	2	6.25	6.20	6.30	19.4	
Methoxychlor	1	7.50	7.45	7.55	12.6	6.9
	2	6.75	6.70	6.80	13.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169592BS

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: PB169592BS **Date(s) Analyzed:** 09/09/2025 09/09/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.64	7.59	7.69	18.2	3.8
	2	6.99	6.94	7.04	18.9	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	16.6	1.8
	2	3.73	3.68	3.78	16.9	
Heptachlor	1	4.94	4.89	4.99	15.9	0.6
	2	4.08	4.03	4.13	15.8	
Heptachlor epoxide	1	5.70	5.65	5.75	16.9	0.6
	2	4.87	4.82	4.92	17.0	
gamma-Chlordane	1	5.95	5.90	6.00	17.1	1.2
	2	5.12	5.07	5.17	17.3	
Endrin	1	6.58	6.53	6.63	13.5	4.3
	2	5.78	5.73	5.83	14.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILE-1

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: Q3032-01 **Date(s) Analyzed:** 09/08/2025 09/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	0.29	5.4
	2	5.12	5.07	5.17	0.31	
alpha-Chlordane	1	6.03	5.98	6.08	0.57	75.7
	2	5.18	5.13	5.23	0.26	
Dieldrin	1	6.34	6.29	6.39	0.18	84.3
	2	5.50	5.45	5.55	0.45	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
SOIL-PILE-1MS

Lab Name: Alliance
Contract: ZUCC01
Lab Code: ACE
SDG NO.: Q3032
Lab Sample ID: Q3032-01MS
Date(s) Analyzed: 09/08/2025 09/08/2025
Instrument ID (1): ECD_D
Instrument ID (2): ECD_D
GC Column: (1): ZB-MR1 **ID:** 0.32 (mm)
GC Column:(2): ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	17.7	3.3
	2	6.07	6.02	6.12	18.3	
4,4'-DDD	1	6.70	6.65	6.75	19.1	7
	2	5.92	5.87	5.97	17.8	
4,4'-DDT	1	7.02	6.97	7.07	16.2	2.4
	2	6.18	6.13	6.23	16.6	
Endrin aldehyde	1	6.91	6.86	6.96	18.8	0
	2	6.25	6.20	6.30	18.8	
Endosulfan sulfate	1	7.15	7.10	7.20	17.3	0.6
	2	6.48	6.43	6.53	17.2	
Methoxychlor	1	7.49	7.44	7.54	14.6	6
	2	6.75	6.70	6.80	15.5	
Endrin ketone	1	7.63	7.58	7.68	17.4	6.5
	2	6.98	6.93	7.03	16.3	
alpha-BHC	1	4.00	3.95	4.05	19.3	0
	2	3.39	3.34	3.44	19.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.6	2.1
	2	3.73	3.68	3.78	19.2	
Heptachlor	1	4.93	4.88	4.98	18.0	2.7
	2	4.08	4.03	4.13	18.5	
Aldrin	1	5.27	5.22	5.32	19.1	0.5
	2	4.36	4.31	4.41	19.0	
beta-BHC	1	4.52	4.47	4.57	18.0	31.4
	2	4.02	3.97	4.07	24.7	
delta-BHC	1	4.76	4.71	4.81	20.3	7.1
	2	4.26	4.21	4.31	18.9	
Heptachlor epoxide	1	5.69	5.64	5.74	18.7	1.1
	2	4.87	4.82	4.92	18.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILE-1MS

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: Q3032-01MS **Date(s) Analyzed:** 09/08/2025 09/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	18.8	6.6
	2	5.24	5.19	5.29	17.6	
gamma-Chlordane	1	5.94	5.89	5.99	18.7	4.2
	2	5.12	5.07	5.17	19.5	
alpha-Chlordane	1	6.02	5.97	6.07	19.0	1
	2	5.18	5.13	5.23	19.2	
4,4'-DDE	1	6.19	6.14	6.24	17.9	4.4
	2	5.37	5.32	5.42	18.7	
Dieldrin	1	6.34	6.29	6.39	18.6	3.7
	2	5.51	5.46	5.56	19.3	
Endrin	1	6.57	6.52	6.62	18.1	1.6
	2	5.78	5.73	5.83	18.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILE-1MSD

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: Q3032-01MSD **Date(s) Analyzed:** 09/08/2025 09/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	17.6	2.8
	2	6.07	6.02	6.12	18.1	
4,4'-DDD	1	6.70	6.65	6.75	19.0	7.1
	2	5.92	5.87	5.97	17.7	
4,4'-DDT	1	7.02	6.97	7.07	16.4	0.6
	2	6.18	6.13	6.23	16.5	
Endrin aldehyde	1	6.91	6.86	6.96	18.7	1.1
	2	6.25	6.20	6.30	18.5	
Endosulfan sulfate	1	7.15	7.10	7.20	17.1	0.6
	2	6.48	6.43	6.53	17.0	
Methoxychlor	1	7.49	7.44	7.54	14.5	5.4
	2	6.74	6.69	6.79	15.3	
Endrin ketone	1	7.63	7.58	7.68	17.3	7.8
	2	6.98	6.93	7.03	16.0	
alpha-BHC	1	4.00	3.95	4.05	19.3	0
	2	3.39	3.34	3.44	19.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.6	2.1
	2	3.73	3.68	3.78	19.2	
Heptachlor	1	4.93	4.88	4.98	18.1	2.2
	2	4.08	4.03	4.13	18.5	
Aldrin	1	5.27	5.22	5.32	18.9	0.5
	2	4.36	4.31	4.41	19.0	
beta-BHC	1	4.51	4.46	4.56	18.0	31.4
	2	4.02	3.97	4.07	24.7	
delta-BHC	1	4.76	4.71	4.81	20.6	9.1
	2	4.26	4.21	4.31	18.8	
Heptachlor epoxide	1	5.69	5.64	5.74	18.7	1.6
	2	4.87	4.82	4.92	19.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILE-1MSD

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: Q3032-01MSD **Date(s) Analyzed:** 09/08/2025 09/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	18.7	6.6
	2	5.24	5.19	5.29	17.5	
gamma-Chlordane	1	5.94	5.89	5.99	18.4	6.3
	2	5.12	5.07	5.17	19.6	
alpha-Chlordane	1	6.02	5.97	6.07	18.8	1.6
	2	5.18	5.13	5.23	19.1	
4,4'-DDE	1	6.19	6.14	6.24	17.9	3.8
	2	5.37	5.32	5.42	18.6	
Dieldrin	1	6.34	6.29	6.39	18.6	3.2
	2	5.51	5.46	5.56	19.2	
Endrin	1	6.57	6.52	6.62	18.0	1.1
	2	5.78	5.73	5.83	18.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILE-2

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: Q3032-04 **Date(s) Analyzed:** 09/08/2025 09/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	1.70	0
	2	5.92	5.87	5.97	1.70	
4,4'-DDT	1	7.02	6.97	7.07	6.90	1.5
	2	6.18	6.13	6.23	6.80	
alpha-Chlordane	1	6.03	5.98	6.08	1.10	49
	2	5.18	5.13	5.23	0.67	
4,4'-DDE	1	6.19	6.14	6.24	1.30	26.7
	2	5.37	5.32	5.42	1.70	
gamma-Chlordane	1	5.94	5.89	5.99	0.55	44.3
	2	5.12	5.07	5.17	0.35	
Endrin	1	6.57	6.52	6.62	0.20	138.5
	2	5.79	5.74	5.84	1.10	

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			PCB	8082A		09/08/25	09/08/25	
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP Pesticide	8081B		09/11/25	09/11/25	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			PCB	8082A		09/08/25	09/08/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP Pesticide	8081B		09/11/25	09/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032 **Order ID:** Q3032

Client: Zuccaro Inc. **Project ID:** 3 Coal Ave., Morristown, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/11/25
Client Sample ID:	PB169589TB	SDG No.:	Q3032
Lab Sample ID:	PB169589TB	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097153.D	1	09/11/25 09:30	09/11/25 18:05	PB169663

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	20.4		30 (57) - 150 (171)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		30 (61) - 150 (148)	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-02	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097154.D	1	09/11/25 09:30	09/11/25 18:19	PB169663

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	24.4		30 (57) - 150 (171)	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (61) - 150 (148)	111%	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-05	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097157.D	1	09/11/25 09:30	09/11/25 19:00	PB169663

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	23.6		30 (57) - 150 (171)	118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		30 (61) - 150 (148)	103%	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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PL096921.D	PIBLK-PL096921.D	Decachlorobiphen	1	20	19.1	95		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.4	87		30 (61)	150 (148)
		Decachlorobiphen	2	20	18.8	94		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	17.8	89		30 (61)	150 (148)
I.BLK-PL097148.D	PIBLK-PL097148.D	Decachlorobiphen	1	20	21.4	107		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.9	105		30 (61)	150 (148)
		Decachlorobiphen	2	20	23.2	116		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.8	104		30 (61)	150 (148)
PB169663BL	PB169663BL	Decachlorobiphen	1	20	17.9	90		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.3	86		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.2	101		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	17.7	89		30 (61)	150 (148)
PB169663BS	PB169663BS	Decachlorobiphen	1	20	22.5	113		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	21.5	107		30 (61)	150 (148)
		Decachlorobiphen	2	20	25.3	127		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.3	112		30 (61)	150 (148)
PB169589TB	PB169589TB	Decachlorobiphen	1	20	18.1	91		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.1	86		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.4	102		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	17.7	88		30 (61)	150 (148)
Q3032-02	SOIL-PILE-1	Decachlorobiphen	1	20	21.5	108		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.2	101		30 (61)	150 (148)
		Decachlorobiphen	2	20	24.4	122		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.1	111		30 (61)	150 (148)
Q3032-02MS	SOIL-PILE-1MS	Decachlorobiphen	1	20	21.6	108		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.5	98		30 (61)	150 (148)
		Decachlorobiphen	2	20	24.6	123		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.7	104		30 (61)	150 (148)
Q3032-02MSD	SOIL-PILE-1MSD	Decachlorobiphen	1	20	21.3	106		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.5	98		30 (61)	150 (148)
		Decachlorobiphen	2	20	24.4	122		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.3	102		30 (61)	150 (148)
Q3032-05	SOIL-PILE-2	Decachlorobiphen	1	20	20.6	103		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.1	100		30 (61)	150 (148)
		Decachlorobiphen	2	20	23.6	118		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.7	103		30 (61)	150 (148)
I.BLK-PL097158.D	PIBLK-PL097158.D	Decachlorobiphen	1	20	20.8	104		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.2	101		30 (61)	150 (148)
		Decachlorobiphen	2	20	22.9	115		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.8	104		30 (61)	150 (148)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8081B

Client: Zuccaro Inc. **DataFile :** PL097155.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3032-02MS (Column 1)**	**Client Sample ID:**		**SOIL-PILE-1MS**								
	gamma-BHC (Lindane)	5	0	5.40	ug/L	108				30 (60)	150 (152)	
	Heptachlor	5	0	5.50	ug/L	110				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.10	ug/L	102				30 (77)	150 (143)	
	Endrin	5	0	5.40	ug/L	108				30 (76)	150 (144)	
	Methoxychlor	5	0	5.00	ug/L	100				30 (70)	150 (142)	
Lab Sample ID:	**Q3032-02MS (Column 2)**	**Client Sample ID:**		**SOIL-PILE-1MS**								
	gamma-BHC (Lindane)	5	0	5.90	ug/L	118				30 (60)	150 (152)	
	Heptachlor	5	0	5.60	ug/L	112				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.80	ug/L	116				30 (77)	150 (143)	
	Endrin	5	0	5.80	ug/L	116				30 (76)	150 (144)	
	Methoxychlor	5	0	5.60	ug/L	112				30 (70)	150 (142)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8081B

Client: Zuccaro Inc. **DataFile :** PL097156.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3032-02MSD (Column 1)**	**Client Sample ID:**		**SOIL-PILE-1MSD**								
	gamma-BHC (Lindane)	5	0	5.40	ug/L	108		0		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.50	ug/L	110		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.00	ug/L	100		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.40	ug/L	108		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.90	ug/L	98		2		30 (70)	150 (142)	20 (20)
Lab Sample ID:	**Q3032-02MSD (Column 2)**	**Client Sample ID:**		**SOIL-PILE-1MSD**								
	gamma-BHC (Lindane)	5	0	5.80	ug/L	116		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.50	ug/L	110		2		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.80	ug/L	116		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.70	ug/L	114		2		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.60	ug/L	112		0		30 (70)	150 (142)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8081B

Client: Zuccaro Inc. **Datafile :** PL097152.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169663BS (Column 1)	gamma-BHC (Lindane)	0.5	0.49	ug/L	98				40 (82)	140 (129)	
	Heptachlor	0.5	0.50	ug/L	101				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.46	ug/L	93				40 (81)	140 (124)	
	Endrin	0.5	0.48	ug/L	95				40 (81)	140 (128)	
	Methoxychlor	0.5	0.45	ug/L	90				40 (78)	140 (108)	
PB169663BS (Column 2)	gamma-BHC (Lindane)	0.5	0.54	ug/L	107				40 (82)	140 (129)	
	Heptachlor	0.5	0.51	ug/L	103				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.54	ug/L	107				40 (81)	140 (124)	
	Endrin	0.5	0.51	ug/L	103				40 (81)	140 (128)	
	Methoxychlor	0.5	0.50	ug/L	101				40 (78)	140 (108)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169663BL

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab Sample ID: PB169663BL | Lab File ID: PL097151.D

Matrix: (soil/water) water | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 09/11/2025

Date Analyzed (1): 09/11/2025 | Date Analyzed (2): 09/11/2025

Time Analyzed (1): 17:38 | Time Analyzed (2): 17:38

Instrument ID (1): ECD_L | Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB169663BS	PB169663BS	PL097152.D	09/11/2025	09/11/2025
PB169589TB	PB169589TB	PL097153.D	09/11/2025	09/11/2025
SOIL-PILE-1	Q3032-02	PL097154.D	09/11/2025	09/11/2025
SOIL-PILE-1MS	Q3032-02MS	PL097155.D	09/11/2025	09/11/2025
SOIL-PILE-1MSD	Q3032-02MSD	PL097156.D	09/11/2025	09/11/2025
SOIL-PILE-2	Q3032-05	PL097157.D	09/11/2025	09/11/2025

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169663BL	SDG No.:	Q3032
Lab Sample ID:	PB169663BL	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097151.D	1	09/11/25 09:30	09/11/25 17:38	PB169663

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		30 (57) - 150 (171)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		30 (61) - 150 (148)	89%	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	08/20/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	08/20/25
Client Sample ID:	PIBLK-PL096921.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PL096921.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096921.D	1		08/20/25	PL082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		30 (57) - 150 (171)	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		30 (61) - 150 (148)	89%	SPK: 20

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/11/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/11/25
Client Sample ID:	PIBLK-PL097148.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PL097148.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097148.D	1		09/11/25	pl091325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.2		30 (57) - 150 (171)	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		30 (61) - 150 (148)	105%	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

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/11/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/11/25
Client Sample ID:	PIBLK-PL097158.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PL097158.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097158.D	1		09/11/25	pl091325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		30 (57) - 150 (171)	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		30 (61) - 150 (148)	104%	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

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169663BS	SDG No.:	Q3032
Lab Sample ID:	PB169663BS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097152.D	1	09/11/25 09:30	09/11/25 17:52	PB169663

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.54		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.51		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.54		0.0096	0.050	ug/L
72-20-8	Endrin	0.51		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.3		30 (57) - 150 (171)	127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		30 (61) - 150 (148)	112%	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-02MS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097155.D	1	09/11/25 09:30	09/11/25 18:32	PB169663

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.90		0.037	0.50	ug/L
76-44-8	Heptachlor	5.60		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.80		0.096	0.50	ug/L
72-20-8	Endrin	5.80		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.60		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	24.6		30 (57) - 150 (171)	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		30 (61) - 150 (148)	104%	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-02MSD	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097156.D	1	09/11/25 09:30	09/11/25 18:46	PB169663

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.80		0.037	0.50	ug/L
76-44-8	Heptachlor	5.50		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.80		0.096	0.50	ug/L
72-20-8	Endrin	5.70		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.60		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	24.4		30 (57) - 150 (171)	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		30 (61) - 150 (148)	102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

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

Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/20/2025 08/20/2025
Calibration Times: 15:53 17:20

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL096924.D RT 075 = PL096925.D
RT 050 = PL096926.D RT 025 = PL096927.D RT 005 = PL096928.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.00	9.00	9.00	9.00	9.00	9.00	8.90	9.10
Endrin	6.54	6.53	6.53	6.53	6.53	6.53	6.43	6.63
gamma-BHC (Lindane)	4.31	4.30	4.31	4.30	4.30	4.30	4.20	4.40
Heptachlor	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Heptachlor epoxide	5.66	5.65	5.65	5.66	5.65	5.65	5.55	5.75
Methoxychlor	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55
Tetrachloro-m-xylene	3.53	3.53	3.53	3.53	3.53	3.53	3.43	3.63

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L
Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/20/2025 08/20/2025
Calibration Times: 15:53 17:20

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL096924.D RT 075 = PL096925.D
RT 050 = PL096926.D RT 025 = PL096927.D RT 005 = PL096928.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Endrin	5.71	5.70	5.70	5.70	5.70	5.70	5.60	5.80
gamma-BHC (Lindane)	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Heptachlor	4.01	4.01	4.01	4.01	4.01	4.01	3.91	4.11
Heptachlor epoxide	4.80	4.80	4.80	4.79	4.79	4.79	4.69	4.89
Methoxychlor	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Tetrachloro-m-xylene	2.83	2.83	2.83	2.82	2.82	2.82	2.72	2.92

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/20/2025 08/20/2025
Calibration Times: 15:53 17:20

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PL096924.D CF 075 = PL096925.D
CF 050 = PL096926.D CF 025 = PL096927.D CF 005 = PL096928.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2867670000	2764750000	2907640000	2995290000	3267970000	2960670000	6
Endrin	3938430000	3681570000	3777970000	3663830000	3662700000	3744900000	3
gamma-BHC (Lindane)	5774500000	5387660000	5532650000	5319570000	5294600000	5461790000	4
Heptachlor	5448120000	5156470000	5348530000	5219960000	5488680000	5332350000	3
Heptachlor epoxide	4669160000	4485490000	4761940000	4978030000	6834470000	5145820000	19
Methoxychlor	1765170000	1688730000	1748280000	1750260000	1725040000	1735500000	2
Tetrachloro-m-xylene	4007210000	3793130000	3960120000	3908840000	4049950000	3943850000	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/20/2025 08/20/2025
Calibration Times: 15:53 17:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL096924.D **CF 075 =** PL096925.D
CF 050 = PL096926.D **CF 025 =** PL096927.D **CF 005 =** PL096928.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4528550000	4422370000	4675640000	4848010000	5504370000	4795790000	9
Endrin	6022860000	5732510000	5911210000	5843740000	6025650000	5907190000	2
gamma-BHC (Lindane)	7559790000	7206610000	7494820000	7265600000	7305650000	7366490000	2
Heptachlor	7599140000	7263650000	7583050000	7449080000	7726080000	7524200000	2
Heptachlor epoxide	6303510000	6044890000	6335610000	6300380000	6640580000	6325000000	3
Methoxychlor	2939780000	2861730000	3002490000	3058630000	3136260000	2999780000	4
Tetrachloro-m-xylene	5643100000	5386240000	5642430000	5592280000	5919210000	5636650000	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_L **Date(s) Analyzed:** 08/20/2025 08/20/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.68	4.58	4.78	172247000
		2	5.21	5.11	5.31	184024000
		3	5.91	5.81	6.01	649226000
		4	5.99	5.89	6.09	813725000
		5	6.83	6.73	6.93	136205000
Toxaphene	500	1	6.20	6.10	6.30	37327700
		2	6.60	6.50	6.70	29715300
		3	7.02	6.92	7.12	128641000
		4	7.11	7.01	7.21	94198900
		5	7.89	7.79	7.99	67380000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_L **Date(s) Analyzed:** 08/20/2025 08/20/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.83	3.73	3.93	200346000
		2	4.41	4.31	4.51	231569000
		3	5.05	4.95	5.15	646655000
		4	5.11	5.01	5.21	577349000
		5	6.00	5.90	6.10	232439000
Toxaphene	500	1	5.07	4.97	5.17	41427400
		2	5.75	5.65	5.85	46752600
		3	6.03	5.93	6.13	50492500
		4	6.67	6.57	6.77	152307000
		5	7.11	7.01	7.21	95714200

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/11/2025 **Initial Calibration Date(s):** 08/20/2025 08/20/2025

Continuing Calib Time: 17:24 **Initial Calibration Time(s):** 15:53 17:20

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.53	3.53	3.43	3.63	0.00
gamma-BHC (Lindane)	4.30	4.31	4.21	4.41	0.01
Heptachlor	4.89	4.90	4.80	5.00	0.01
Heptachlor epoxide	5.65	5.65	5.55	5.75	0.00
Endrin	6.53	6.53	6.43	6.63	0.00
Methoxychlor	7.45	7.45	7.35	7.55	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/11/2025 **Initial Calibration Date(s):** 08/20/2025 08/20/2025

Continuing Calib Time: 17:24 **Initial Calibration Time(s):** 15:53 17:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.98	7.99	7.89	8.09	0.01
Tetrachloro-m-xylene	2.82	2.83	2.73	2.93	0.01
gamma-BHC (Lindane)	3.66	3.66	3.56	3.76	0.00
Heptachlor	4.01	4.01	3.91	4.11	0.00
Heptachlor epoxide	4.79	4.80	4.70	4.90	0.01
Endrin	5.70	5.70	5.60	5.80	0.00
Methoxychlor	6.67	6.68	6.58	6.78	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/20/2025 08/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/11/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL097150.D **Time Analyzed:** 17:24

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.999	8.904	9.104	44.940	50.000	-10.1
Endrin	6.530	6.434	6.634	48.200	50.000	-3.6
gamma-BHC (Lindane)	4.302	4.205	4.405	49.670	50.000	-0.7
Heptachlor	4.892	4.796	4.996	50.160	50.000	0.3
Heptachlor epoxide	5.649	5.554	5.754	46.910	50.000	-6.2
Methoxychlor	7.450	7.354	7.554	46.120	50.000	-7.8
Tetrachloro-m-xylene	3.527	3.430	3.630	48.670	50.000	-2.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/20/2025 08/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/11/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL097150.D **Time Analyzed:** 17:24

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.983	7.887	8.087	48.950	50.000	-2.1
Endrin	5.702	5.604	5.804	53.190	50.000	6.4
gamma-BHC (Lindane)	3.659	3.562	3.762	52.100	50.000	4.2
Heptachlor	4.007	3.911	4.111	50.010	50.000	0.0
Heptachlor epoxide	4.791	4.695	4.895	50.970	50.000	1.9
Methoxychlor	6.673	6.577	6.777	49.940	50.000	-0.1
Tetrachloro-m-xylene	2.823	2.725	2.925	47.830	50.000	-4.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/11/2025 **Initial Calibration Date(s):** 08/20/2025 08/20/2025

Continuing Calib Time: 19:27 **Initial Calibration Time(s):** 15:53 17:20

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.53	3.53	3.43	3.63	0.00
gamma-BHC (Lindane)	4.30	4.31	4.21	4.41	0.01
Heptachlor	4.89	4.90	4.80	5.00	0.01
Heptachlor epoxide	5.65	5.65	5.55	5.75	0.00
Endrin	6.53	6.53	6.43	6.63	0.00
Methoxychlor	7.45	7.45	7.35	7.55	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/11/2025 **Initial Calibration Date(s):** 08/20/2025 08/20/2025

Continuing Calib Time: 19:27 **Initial Calibration Time(s):** 15:53 17:20

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.98	7.99	7.89	8.09	0.01
Tetrachloro-m-xylene	2.82	2.83	2.73	2.93	0.01
gamma-BHC (Lindane)	3.66	3.66	3.56	3.76	0.00
Heptachlor	4.01	4.01	3.91	4.11	0.00
Heptachlor epoxide	4.79	4.80	4.70	4.90	0.01
Endrin	5.70	5.70	5.60	5.80	0.00
Methoxychlor	6.67	6.68	6.58	6.78	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/20/2025 08/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/11/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL097159.D **Time Analyzed:** 19:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.999	8.904	9.104	44.360	50.000	-11.3
Endrin	6.529	6.434	6.634	47.490	50.000	-5.0
gamma-BHC (Lindane)	4.301	4.205	4.405	49.190	50.000	-1.6
Heptachlor	4.892	4.796	4.996	49.570	50.000	-0.9
Heptachlor epoxide	5.649	5.554	5.754	45.860	50.000	-8.3
Methoxychlor	7.451	7.354	7.554	44.200	50.000	-11.6
Tetrachloro-m-xylene	3.526	3.430	3.630	48.080	50.000	-3.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/20/2025 08/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/11/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL097159.D **Time Analyzed:** 19:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.983	7.887	8.087	49.050	50.000	-1.9
Endrin	5.701	5.604	5.804	52.880	50.000	5.8
gamma-BHC (Lindane)	3.659	3.562	3.762	52.150	50.000	4.3
Heptachlor	4.007	3.911	4.111	50.030	50.000	0.1
Heptachlor epoxide	4.791	4.695	4.895	51.080	50.000	2.2
Methoxychlor	6.673	6.577	6.777	49.750	50.000	-0.5
Tetrachloro-m-xylene	2.823	2.725	2.925	47.800	50.000	-4.4

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Fax : 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/20/2025 08/20/2025

Client Sample No. (PEM): PEM - PL096922.D **Date Analyzed:** 08/20/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.004	8.900	9.100	18.790	20.000	-6.1
Tetrachloro-m-xylene	3.530	3.480	3.580	17.630	20.000	-11.9
alpha-BHC	3.977	3.930	4.030	8.590	10.000	-14.1
beta-BHC	4.491	4.440	4.540	8.850	10.000	-11.5
gamma-BHC (Lindane)	4.305	4.250	4.360	8.700	10.000	-13.0
Endrin	6.535	6.460	6.610	45.060	50.000	-9.9
4,4'-DDT	6.982	6.910	7.050	91.310	100.000	-8.7
Methoxychlor	7.454	7.380	7.520	228.510	250.000	-8.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/20/2025 08/20/2025

Client Sample No. (PEM): PEM - PL096922.D **Date Analyzed:** 08/20/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.986	7.890	8.090	18.510	20.000	-7.5
Tetrachloro-m-xylene	2.825	2.770	2.880	17.580	20.000	-12.1
alpha-BHC	3.330	3.280	3.380	8.510	10.000	-14.9
beta-BHC	3.958	3.910	4.010	8.900	10.000	-11.0
gamma-BHC (Lindane)	3.662	3.610	3.710	8.130	10.000	-18.7
Endrin	5.704	5.630	5.770	45.190	50.000	-9.6
4,4'-DDT	6.104	6.030	6.170	94.240	100.000	-5.8
Methoxychlor	6.677	6.610	6.750	210.320	250.000	-15.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/20/2025 08/20/2025

Client Sample No. (PEM): PEM - PL097149.D **Date Analyzed:** 09/11/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 17:11

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.001	8.900	9.100	18.490	20.000	-7.6
Tetrachloro-m-xylene	3.526	3.480	3.580	18.430	20.000	-7.9
alpha-BHC	3.973	3.920	4.020	9.080	10.000	-9.2
beta-BHC	4.488	4.440	4.540	9.770	10.000	-2.3
gamma-BHC (Lindane)	4.301	4.250	4.350	9.110	10.000	-8.9
Endrin	6.532	6.460	6.600	44.620	50.000	-10.8
4,4'-DDT	6.980	6.910	7.050	84.990	100.000	-15.0
Methoxychlor	7.452	7.380	7.520	210.590	250.000	-15.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/20/2025 08/20/2025

Client Sample No. (PEM): PEM - PL097149.D **Date Analyzed:** 09/11/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 17:11

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.983	7.880	8.080	20.380	20.000	1.9
Tetrachloro-m-xylene	2.821	2.770	2.870	18.210	20.000	-9.0
alpha-BHC	3.327	3.280	3.380	8.930	10.000	-10.7
beta-BHC	3.955	3.900	4.010	10.000	10.000	0.0
gamma-BHC (Lindane)	3.659	3.610	3.710	9.550	10.000	-4.5
Endrin	5.702	5.630	5.770	48.370	50.000	-3.3
4,4'-DDT	6.101	6.030	6.170	99.370	100.000	-0.6
Methoxychlor	6.674	6.600	6.740	212.830	250.000	-14.9

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Analytical Sequence

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/20/2025 08/20/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/20/2025	15:12	PL096921.D	9.00	3.53
PEM	PEM	08/20/2025	15:25	PL096922.D	9.00	3.53
RESCHK	RESCHK	08/20/2025	15:39	PL096923.D	9.00	3.53
PSTDICC100	PSTDICC100	08/20/2025	15:53	PL096924.D	9.00	3.53
PSTDICC075	PSTDICC075	08/20/2025	16:06	PL096925.D	9.00	3.53
PSTDICC050	PSTDICC050	08/20/2025	16:20	PL096926.D	9.00	3.53
PSTDICC025	PSTDICC025	08/20/2025	16:33	PL096927.D	9.00	3.53
PSTDICC005	PSTDICC005	08/20/2025	17:20	PL096928.D	9.00	3.53
PCHLORICC500	PCHLORICC500	08/20/2025	18:01	PL096931.D	9.00	3.53
PTOXICC500	PTOXICC500	08/20/2025	19:09	PL096936.D	9.00	3.53
I.BLK	I.BLK	09/11/2025	16:28	PL097148.D	9.00	3.53
PEM	PEM	09/11/2025	17:11	PL097149.D	9.00	3.53
PSTDCCC050	PSTDCCC050	09/11/2025	17:24	PL097150.D	9.00	3.53
PB169663BL	PB169663BL	09/11/2025	17:38	PL097151.D	9.00	3.53
PB169663BS	PB169663BS	09/11/2025	17:52	PL097152.D	9.00	3.53
PB169589TB	PB169589TB	09/11/2025	18:05	PL097153.D	9.00	3.53
SOIL-PILE-1	Q3032-02	09/11/2025	18:19	PL097154.D	9.00	3.53
SOIL-PILE-1MS	Q3032-02MS	09/11/2025	18:32	PL097155.D	9.00	3.53
SOIL-PILE-1MSD	Q3032-02MSD	09/11/2025	18:46	PL097156.D	9.00	3.53
SOIL-PILE-2	Q3032-05	09/11/2025	19:00	PL097157.D	9.00	3.53
I.BLK	I.BLK	09/11/2025	19:13	PL097158.D	9.00	3.53
PSTDCCC050	PSTDCCC050	09/11/2025	19:27	PL097159.D	9.00	3.53

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Analytical Sequence

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/20/2025 08/20/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/20/2025	15:12	PL096921.D	7.99	2.83
PEM	PEM	08/20/2025	15:25	PL096922.D	7.99	2.83
RESCHK	RESCHK	08/20/2025	15:39	PL096923.D	7.99	2.83
PSTDICC100	PSTDICC100	08/20/2025	15:53	PL096924.D	7.99	2.83
PSTDICC075	PSTDICC075	08/20/2025	16:06	PL096925.D	7.99	2.83
PSTDICC050	PSTDICC050	08/20/2025	16:20	PL096926.D	7.99	2.83
PSTDICC025	PSTDICC025	08/20/2025	16:33	PL096927.D	7.99	2.82
PSTDICC005	PSTDICC005	08/20/2025	17:20	PL096928.D	7.99	2.82
PCHLORICC500	PCHLORICC500	08/20/2025	18:01	PL096931.D	7.99	2.82
PTOXICC500	PTOXICC500	08/20/2025	19:09	PL096936.D	7.99	2.83
I.BLK	I.BLK	09/11/2025	16:28	PL097148.D	7.98	2.82
PEM	PEM	09/11/2025	17:11	PL097149.D	7.98	2.82
PSTDCCC050	PSTDCCC050	09/11/2025	17:24	PL097150.D	7.98	2.82
PB169663BL	PB169663BL	09/11/2025	17:38	PL097151.D	7.98	2.82
PB169663BS	PB169663BS	09/11/2025	17:52	PL097152.D	7.98	2.82
PB169589TB	PB169589TB	09/11/2025	18:05	PL097153.D	7.98	2.82
SOIL-PILE-1	Q3032-02	09/11/2025	18:19	PL097154.D	7.98	2.82
SOIL-PILE-1MS	Q3032-02MS	09/11/2025	18:32	PL097155.D	7.98	2.82
SOIL-PILE-1MSD	Q3032-02MSD	09/11/2025	18:46	PL097156.D	7.98	2.82
SOIL-PILE-2	Q3032-05	09/11/2025	19:00	PL097157.D	7.98	2.82
I.BLK	I.BLK	09/11/2025	19:13	PL097158.D	7.98	2.82
PSTDCCC050	PSTDCCC050	09/11/2025	19:27	PL097159.D	7.98	2.82

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169663BS

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: PB169663BS **Date(s) Analyzed:** 09/11/2025 09/11/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.45	7.40	7.50	0.45	11.4
	2	6.67	6.62	6.72	0.50	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	0.49	8.9
	2	3.66	3.61	3.71	0.54	
Heptachlor	1	4.89	4.84	4.94	0.50	2.2
	2	4.01	3.96	4.06	0.51	
Heptachlor epoxide	1	5.65	5.60	5.70	0.46	14.2
	2	4.79	4.74	4.84	0.54	
Endrin	1	6.53	6.48	6.58	0.48	7.6
	2	5.70	5.65	5.75	0.51	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILE-1MS

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: Q3032-02MS **Date(s) Analyzed:** 09/11/2025 09/11/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin	1	6.53	6.48	6.58	5.40	7.1
	2	5.70	5.65	5.75	5.80	
Methoxychlor	1	7.45	7.40	7.50	5.00	11.3
	2	6.67	6.62	6.72	5.60	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	5.40	8.8
	2	3.66	3.61	3.71	5.90	
Heptachlor	1	4.89	4.84	4.94	5.50	1.8
	2	4.01	3.96	4.06	5.60	
Heptachlor epoxide	1	5.65	5.60	5.70	5.10	12.8
	2	4.79	4.74	4.84	5.80	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILE-1MSD

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: Q3032-02MSD **Date(s) Analyzed:** 09/11/2025 09/11/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.45	7.40	7.50	4.90	13.3
	2	6.67	6.62	6.72	5.60	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	5.40	7.1
	2	3.66	3.61	3.71	5.80	
Heptachlor	1	4.89	4.84	4.94	5.50	0
	2	4.01	3.96	4.06	5.50	
Heptachlor epoxide	1	5.65	5.60	5.70	5.00	14.8
	2	4.79	4.74	4.84	5.80	
Endrin	1	6.53	6.48	6.58	5.40	5.4
	2	5.70	5.65	5.75	5.70	

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			PCB	8082A		09/08/25	09/08/25	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			PCB	8082A		09/08/25	09/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032 **Order ID:** Q3032

Client: Zuccaro Inc. **Project ID:** 3 Coal Ave., Morristown, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074957.D	1	09/08/25 09:00	09/08/25 14:04	PB169591

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.4	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.4	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.4	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.4	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.4	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.4	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.4	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.4	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		30 (32) - 150 (175)	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074958.D	1	09/08/25 09:00	09/08/25 14:21	PB169591

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.4	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.4	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.4	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.4	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.4	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.4	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.4	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.4	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		30 (32) - 150 (144)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		30 (32) - 150 (175)	64%	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

QC SUMMARY

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Surrogate Summary

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP074490.D	PIBLK-PP074490.D	Tetrachloro-m-xyl	1	20	17.8	89		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	15.7	78		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.9	85		70 (60)	130 (140)
I.BLK-PP074953.D	PIBLK-PP074953.D	Tetrachloro-m-xyl	1	20	19.0	95		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.4	97		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.9	84		70 (60)	130 (140)
		Decachlorobiphen	2	20	15.6	78		70 (60)	130 (140)
PB169591BL	PB169591BL	Tetrachloro-m-xyl	1	20	21.9	110		30 (32)	150 (144)
		Decachlorobiphen	1	20	22.5	113		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	21.5	107		30 (32)	150 (144)
		Decachlorobiphen	2	20	18.0	90		30 (32)	150 (175)
PB169591BS	PB169591BS	Tetrachloro-m-xyl	1	20	22.4	112		30 (32)	150 (144)
		Decachlorobiphen	1	20	22.4	112		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	19.7	98		30 (32)	150 (144)
		Decachlorobiphen	2	20	17.8	89		30 (32)	150 (175)
Q3032-01	SOIL-PILE-1	Tetrachloro-m-xyl	1	20	20.4	102		30 (32)	150 (144)
		Decachlorobiphen	1	20	17.6	88		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	18.1	91		30 (32)	150 (144)
		Decachlorobiphen	2	20	13.3	66		30 (32)	150 (175)
Q3032-04	SOIL-PILE-2	Tetrachloro-m-xyl	1	20	19.4	97		30 (32)	150 (144)
		Decachlorobiphen	1	20	12.8	64		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	18.9	95		30 (32)	150 (144)
		Decachlorobiphen	2	20	10.4	52		30 (32)	150 (175)
Q3032-04MS	SOIL-PILE-2MS	Tetrachloro-m-xyl	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphen	1	20	14.8	74		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	21.3	107		30 (32)	150 (144)
		Decachlorobiphen	2	20	11.2	56		30 (32)	150 (175)
Q3032-04MSD	SOIL-PILE-2MSD	Tetrachloro-m-xyl	1	20	18.7	94		30 (32)	150 (144)
		Decachlorobiphen	1	20	12.6	63		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	17.6	88		30 (32)	150 (144)
		Decachlorobiphen	2	20	10.8	54		30 (32)	150 (175)
I.BLK-PP074967.D	PIBLK-PP074967.D	Tetrachloro-m-xyl	1	20	19.1	96		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.6	98		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.3	86		70 (60)	130 (140)
		Decachlorobiphen	2	20	15.0	75		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8082A

Client: Zuccaro Inc. **DataFile :** PP074959.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3032-04MS (Column 1)**	**Client Sample ID:**		**SOIL-PILE-2MS**								
	AR1016	200.1	0	237	ug/kg	118				40 (55)	140 (146)	
	AR1260	200.1	0	152	ug/kg	76				40 (54)	140 (119)	
Lab Sample ID:	**Q3032-04MS (Column 2)**	**Client Sample ID:**		**SOIL-PILE-2MS**								
	AR1016	200.1	0	266	ug/kg	133				40 (55)	140 (146)	
	AR1260	200.1	0	110	ug/kg	55				40 (54)	140 (119)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8082A

Client: Zuccaro Inc. **DataFile :** PP074960.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3032-04MSD (Column 1)**	**Client Sample ID:**		**SOIL-PILE-2MSD**								
	AR1016	199.9	0	238	ug/kg	119		1		40 (55)	140 (146)	30 (15)
	AR1260	199.9	0	143	ug/kg	72		5		40 (54)	140 (119)	30 (15)
Lab Sample ID:	**Q3032-04MSD (Column 2)**	**Client Sample ID:**		**SOIL-PILE-2MSD**								
	AR1016	199.9	0	301	ug/kg	151		13		40 (55)	140 (146)	30 (15)
	AR1260	199.9	0	114	ug/kg	57		4		40 (54)	140 (119)	30 (15)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8082A

Client: Zuccaro Inc. **Datafile :** PP074955.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169591BS (Column 1)	AR1016	166.5	165	ug/kg	99				40 (71)	140 (120)	
	AR1260	166.5	152	ug/kg	91				40 (65)	140 (130)	
PB169591BS (Column 2)	AR1016	166.5	148	ug/kg	89				40 (71)	140 (120)	
	AR1260	166.5	141	ug/kg	85				40 (65)	140 (130)	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169591BL

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab Sample ID: PB169591BL | Lab File ID: PP074954.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 09/08/2025

Date Analyzed (1): 09/08/2025 | Date Analyzed (2): 09/08/2025

Time Analyzed (1): 13:16 | Time Analyzed (2): 13:16

Instrument ID (1): ECD_P | Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB169591BS	PB169591BS	PP074955.D	09/08/2025	09/08/2025
SOIL-PILE-1	Q3032-01	PP074957.D	09/08/2025	09/08/2025
SOIL-PILE-2	Q3032-04	PP074958.D	09/08/2025	09/08/2025
SOIL-PILE-2MS	Q3032-04MS	PP074959.D	09/08/2025	09/08/2025
SOIL-PILE-2MSD	Q3032-04MSD	PP074960.D	09/08/2025	09/08/2025

COMMENTS:

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_P **Calibration Date(s):** 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP074491.D RT 750 = PP074492.D

RT 500 = PP074493.D RT 250 = PP074494.D RT 050 = PP074495.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.80	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.82	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.89	5.89	5.89	5.89	5.89	5.89	5.79	5.99
Aroclor-1016-4	(4)	5.98	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1260-1	(1)	7.39	7.40	7.40	7.40	7.40	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
Aroclor-1260-3	(3)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.23	8.24	8.24	8.24	8.24	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.56	8.56	8.56	8.56	8.56	8.56	8.46	8.66
Decachlorobiphenyl		10.43	10.44	10.43	10.43	10.44	10.43	10.33	10.53
Tetrachloro-m-xylene		4.65	4.66	4.65	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.89	5.89	5.89	5.89	5.89	5.89	5.79	5.99
Aroclor-1242-4	(4)	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.43	10.44	10.43	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1248-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1248-2	(2)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1248-3	(3)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1248-4	(4)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1248-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.65	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.23	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.94	7.93	7.93	7.93	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1268-1	(1)	8.88	8.89	8.88	8.89	8.88	8.89	8.79	8.99
Aroclor-1268-2	(2)	8.98	8.98	8.98	8.98	8.98	8.98	8.88	9.08
Aroclor-1268-3	(3)	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Aroclor-1268-4	(4)	9.65	9.65	9.65	9.65	9.65	9.65	9.55	9.75
Aroclor-1268-5	(5)	10.08	10.08	10.08	10.08	10.08	10.08	9.98	10.18

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.43	10.44	10.43	10.44	10.43	10.43	10.33	10.53
Tetrachloro-m-xylene	4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_P **Calibration Date(s):** 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP074491.D RT 750 = PP074492.D

RT 500 = PP074493.D RT 250 = PP074494.D RT 050 = PP074495.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1016-4	(4)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3	(3)	6.70	6.71	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1260-4	(4)	7.17	7.17	7.17	7.17	7.17	7.17	7.07	7.27
Aroclor-1260-5	(5)	7.41	7.41	7.41	7.41	7.41	7.41	7.31	7.51
Decachlorobiphenyl		8.81	8.82	8.82	8.81	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.82	8.82	8.81	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1248-3	(3)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.24	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1254-4	(4)	6.46	6.46	6.46	6.46	6.46	6.46	6.36	6.56
Aroclor-1254-5	(5)	6.88	6.87	6.88	6.88	6.88	6.88	6.78	6.98
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.81	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.70	7.70	7.69	7.70	7.69	7.70	7.60	7.80
Aroclor-1268-2	(2)	7.76	7.76	7.76	7.76	7.76	7.76	7.66	7.86
Aroclor-1268-3	(3)	7.97	7.97	7.97	7.97	7.96	7.97	7.87	8.07
Aroclor-1268-4	(4)	8.25	8.26	8.25	8.25	8.25	8.25	8.15	8.35
Aroclor-1268-5	(5)	8.55	8.55	8.55	8.55	8.55	8.55	8.45	8.65

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.81	8.82	8.81	8.82	8.81	8.82	8.72	8.92
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_P **Calibration Date(s):** 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PP074491.D **CF 750 =** PP074492.D

CF 500 = PP074493.D **CF 250 =** PP074494.D **CF 050 =** PP074495.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	37260672	39165227	41840274	46667524	55510560	44088851	17
Aroclor-1016-2	(2)	55294208	58678316	63208216	69200552	67826880	62841634	9
Aroclor-1016-3	(3)	37159554	39829409	42380342	50420568	54779780	44913931	17
Aroclor-1016-4	(4)	30238509	32061391	34848388	39362172	39398600	35181812	12
Aroclor-1016-5	(5)	29225854	30645948	33029644	36469124	36559780	33186070	10
Aroclor-1260-1	(1)	48563391	51183833	55342410	61530012	72427960	57809521	16
Aroclor-1260-2	(2)	57520052	60697599	66234840	73517872	86617000	68917473	17
Aroclor-1260-3	(3)	45466412	48231029	50486582	57234216	58008180	51885284	11
Aroclor-1260-4	(4)	53945139	57153024	61763720	67649864	78452080	63792765	15
Aroclor-1260-5	(5)	98135607	102882747	108313414	117775440	139953440	113412130	15
Decachlorobiphenyl		866337170	921955053	988573200	1058849640	1101835800	987510173	10
Tetrachloro-m-xylene		1100953570	1143235467	1200713680	1268558320	1404991400	1223690487	10
Aroclor-1242-1	(1)	33534775	35196259	38660790	41241740	42742440	38275201	10
Aroclor-1242-2	(2)	50582395	52453757	57915216	62104248	59354260	56481975	9
Aroclor-1242-3	(3)	33349694	35414635	39970066	43883972	50396180	40602909	17
Aroclor-1242-4	(4)	27192200	28632309	31894696	35816444	35173600	31741850	12
Aroclor-1242-5	(5)	29731727	30733847	34626980	38850892	46409580	36070605	19
Decachlorobiphenyl		942571090	998560827	1090308640	1132992280	1083717600	1049630087	7
Tetrachloro-m-xylene		1101623960	1151320933	1235361060	1272027120	1278388200	1207744255	6
Aroclor-1248-1	(1)	26825393	28405716	30845872	34074380	30968720	30224016	9
Aroclor-1248-2	(2)	37601198	39897476	43211686	48783724	45986180	43096053	10
Aroclor-1248-3	(3)	41457218	43776155	46817460	51955424	49511780	46703607	9
Aroclor-1248-4	(4)	47576379	50895647	54418430	60667104	61446460	55000804	11
Aroclor-1248-5	(5)	47007884	50058825	54098864	61916308	64270400	55470456	13
Decachlorobiphenyl		950993890	1009223920	1071012460	1167985200	1057373600	1051317814	8
Tetrachloro-m-xylene		1100991950	1146778960	1200566400	1276972480	1211462000	1187354358	6
Aroclor-1254-1	(1)	48507797	53598960	57022412	63560864	68657180	58269443	14
Aroclor-1254-2	(2)	68997007	73735961	79493314	88136784	97716940	81616001	14
Aroclor-1254-3	(3)	75433146	80269064	85469286	94710248	110150500	89206449	15
Aroclor-1254-4	(4)	56817907	60256557	64375914	71178004	76939600	65913596	12
Aroclor-1254-5	(5)	71518563	76344344	81241680	89300320	97020080	83084997	12
Decachlorobiphenyl		955810170	985159667	1046715980	1146118200	1185105200	1063781843	9
Tetrachloro-m-xylene		1074895520	1124737840	1186244600	1279770240	1364835400	1206096720	10
Aroclor-1268-1	(1)	145382221	149256528	159799060	175238264	180520060	162039227	10

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	135128903	138304824	147968774	161072492	151211120	146737223	7
Aroclor-1268-3	(3)	112837949	115383373	124401538	134921752	130382340	123585390	8
Aroclor-1268-4	(4)	60062429	62288615	69185966	72327472	72450180	67262932	9
Aroclor-1268-5	(5)	347935374	352387180	372266714	396976848	381293520	370171927	6
Decachlorobiphenyl		1643122860	1684754733	1816495060	1968851320	1846466800	1791938155	7
Tetrachloro-m-xylene		1139511630	1162795853	1215559280	1293072360	1185938800	1199375585	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 08/19/2025 08/19/2025
Calibration Times: 10:02 17:36

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP074491.D CF 750 = PP074492.D
CF 500 = PP074493.D CF 250 = PP074494.D CF 050 = PP074495.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	496657182	503720793	523846228	513002896	509541900	509353800	2
Aroclor-1016-2	(2)	239168801	238546505	246638078	251142512	214580920	238015363	6
Aroclor-1016-3	(3)	133036564	130124845	144330606	141427600	140598400	137903603	4
Aroclor-1016-4	(4)	133477489	138002388	140534852	142183668	144817800	139803239	3
Aroclor-1016-5	(5)	154126731	152599703	155237916	163343428	205109040	166083364	13
Aroclor-1260-1	(1)	363284667	378829761	386185190	382321000	365496040	375223332	3
Aroclor-1260-2	(2)	523788027	519029669	530795266	515617580	554844180	528814944	3
Aroclor-1260-3	(3)	397906310	403814531	425344812	411965640	525972600	433000779	12
Aroclor-1260-4	(4)	386647802	396528909	406788188	382587548	334816920	381473873	7
Aroclor-1260-5	(5)	1072036571	1049469899	1040494106	1005914236	854489880	1004480938	9
Decachlorobiphenyl		7534332740	7444555573	7912532780	7690082000	6914466800	7499193979	5
Tetrachloro-m-xylene		5208096140	5362153787	4998687000	4783674480	3824485800	4835419441	13
Aroclor-1242-1	(1)	426248141	431977179	439434088	427078864	384025660	421752786	5
Aroclor-1242-2	(2)	202991737	207389804	208837132	204363608	177830640	200282584	6
Aroclor-1242-3	(3)	114667914	119000831	118474420	125754936	113593040	118298228	4
Aroclor-1242-4	(4)	162797331	159395943	169924744	169924792	193754480	171159458	8
Aroclor-1242-5	(5)	176244820	193149587	194953880	198727516	162744820	185164125	8
Decachlorobiphenyl		7439485810	7647320840	7750380960	7387148800	6696994000	7384266082	6
Tetrachloro-m-xylene		5552255470	5495660120	5265795020	4718643160	3344536200	4875377994	19
Aroclor-1248-1	(1)	276787529	272989900	294110190	287515664	249311100	276142877	6
Aroclor-1248-2	(2)	170428062	176978340	184167818	188684076	163519180	176755495	6
Aroclor-1248-3	(3)	216883105	236968729	226037212	232782684	223345400	227203426	3
Aroclor-1248-4	(4)	216013976	222165432	229596264	221937152	200392380	218021041	5
Aroclor-1248-5	(5)	365899980	378186867	386596360	393195048	312731540	367321959	9
Decachlorobiphenyl		7362170440	7623348680	7832285760	7830414120	6177033600	7365050520	9
Tetrachloro-m-xylene		4921775200	5272375827	4922615420	4754396920	3067777000	4587788073	19
Aroclor-1254-1	(1)	450774429	460491156	493889042	479687392	498710100	476710424	4
Aroclor-1254-2	(2)	327603431	350278748	349528710	357585716	375666820	352132685	5
Aroclor-1254-3	(3)	632195702	651991325	663558136	626254444	525027180	619805357	9
Aroclor-1254-4	(4)	465715221	475856425	494623526	472743392	434193620	468626437	5
Aroclor-1254-5	(5)	494049062	518095117	499208524	513687428	427465960	490501218	7
Decachlorobiphenyl		7570292860	7622860640	7575883760	7671178000	7261560400	7540355132	2
Tetrachloro-m-xylene		5083198010	4906330680	4979033200	4619762640	3271378000	4571940506	16
Aroclor-1268-1	(1)	1582015639	1422598329	1546826516	1453362868	1047671520	1410494974	15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1588231016	1429840941	1442651986	1413308564	943104640	1363427429	18
Aroclor-1268-3	(3)	1131064358	1100247001	1123773528	1077394544	783689900	1043233866	14
Aroclor-1268-4	(4)	433982459	417630531	415097948	393627672	255142820	383096286	19
Aroclor-1268-5	(5)	3414138804	3322863425	3420880908	3301062668	2221751820	3136139525	16
Decachlorobiphenyl		14390930480	14121362587	14413340360	14318679160	10749496600	13598761837	12
Tetrachloro-m-xylene		5211020900	5014233547	4937082600	4815562400	3041581600	4603896209	19

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_P **Date(s) Analyzed:** 08/19/2025 08/19/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.85	4.75	4.95	17592800
		2	4.94	4.84	5.04	13357200
		3	5.02	4.92	5.12	37912800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	30374000
		2	5.54	5.44	5.64	15758200
		3	5.83	5.73	5.93	30543600
		4	5.99	5.89	6.09	17269300
		5	6.08	5.98	6.18	12981000
Aroclor-1262	500	1	8.24	8.14	8.34	77016000
		2	8.57	8.47	8.67	132381000
		3	8.89	8.79	8.99	97212400
		4	8.98	8.88	9.08	75330400
		5	9.65	9.55	9.75	60956200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Instrument ID: ECD_P **Date(s) Analyzed:** 08/19/2025 08/19/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.01	3.91	4.11	61867400
		2	4.10	4.00	4.20	45212000
		3	4.17	4.07	4.27	164294000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.17	4.07	4.27	128095000
		2	4.90	4.80	5.00	231794000
		3	5.08	4.98	5.18	60059800
		4	5.16	5.06	5.26	73707400
		5	5.33	5.23	5.43	62083800
Aroclor-1262	500	1	6.92	6.82	7.02	707260000
		2	7.18	7.08	7.28	520714000
		3	7.70	7.60	7.80	466296000
		4	7.76	7.66	7.86	821860000
		5	8.26	8.16	8.36	358310000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 11:51 **Initial Calibration Time(s):** 10:02 17:36

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.65	4.55	4.75	0.00
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 11:51 **Initial Calibration Time(s):** 10:02 17:36

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-3	(3)	5.07	5.08	4.98	5.18	0.01
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.70	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.80	3.80	3.70	3.90	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/08/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074949.D **Time Analyzed:** 11:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.805	5.706	5.906	486.060	500.000	-2.8
Aroclor-1016-2	5.827	5.727	5.927	509.480	500.000	1.9
Aroclor-1016-3	5.889	5.790	5.990	453.190	500.000	-9.4
Aroclor-1016-4	5.986	5.888	6.088	485.000	500.000	-3.0
Aroclor-1016-5	6.279	6.180	6.380	499.310	500.000	-0.1
Aroclor-1260-1	7.396	7.297	7.497	469.110	500.000	-6.2
Aroclor-1260-2	7.649	7.550	7.750	463.930	500.000	-7.2
Aroclor-1260-3	8.007	7.908	8.108	493.480	500.000	-1.3
Aroclor-1260-4	8.235	8.136	8.336	461.410	500.000	-7.7
Aroclor-1260-5	8.560	8.462	8.662	455.280	500.000	-8.9
Decachlorobiphenyl	10.429	10.333	10.533	46.870	50.000	-6.3
Tetrachloro-m-xylene	4.654	4.554	4.754	49.180	50.000	-1.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/08/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074949.D **Time Analyzed:** 11:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.895	4.799	4.999	478.730	500.000	-4.3
Aroclor-1016-2	4.952	4.855	5.055	499.640	500.000	-0.1
Aroclor-1016-3	5.072	4.976	5.176	496.040	500.000	-0.8
Aroclor-1016-4	5.114	5.017	5.217	475.910	500.000	-4.8
Aroclor-1016-5	5.327	5.231	5.431	436.740	500.000	-12.7
Aroclor-1260-1	6.356	6.261	6.461	457.050	500.000	-8.6
Aroclor-1260-2	6.542	6.448	6.648	446.600	500.000	-10.7
Aroclor-1260-3	6.696	6.602	6.802	414.260	500.000	-17.1
Aroclor-1260-4	7.166	7.072	7.272	434.920	500.000	-13.0
Aroclor-1260-5	7.405	7.311	7.511	432.890	500.000	-13.4
Decachlorobiphenyl	8.806	8.715	8.915	42.240	50.000	-15.5
Tetrachloro-m-xylene	3.797	3.699	3.899	54.710	50.000	9.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 16:04 **Initial Calibration Time(s):** 10:02 17:36

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.66	4.65	4.55	4.75	-0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/08/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 16:04 **Initial Calibration Time(s):** 10:02 17:36

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.80	3.80	3.70	3.90	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/08/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074963.D **Time Analyzed:** 16:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.807	5.706	5.906	495.470	500.000	-0.9
Aroclor-1016-2	5.828	5.727	5.927	508.330	500.000	1.7
Aroclor-1016-3	5.891	5.790	5.990	457.120	500.000	-8.6
Aroclor-1016-4	5.988	5.888	6.088	484.050	500.000	-3.2
Aroclor-1016-5	6.280	6.180	6.380	498.190	500.000	-0.4
Aroclor-1260-1	7.397	7.297	7.497	464.500	500.000	-7.1
Aroclor-1260-2	7.649	7.550	7.750	463.230	500.000	-7.4
Aroclor-1260-3	8.007	7.908	8.108	488.340	500.000	-2.3
Aroclor-1260-4	8.235	8.136	8.336	459.660	500.000	-8.1
Aroclor-1260-5	8.560	8.462	8.662	456.930	500.000	-8.6
Decachlorobiphenyl	10.427	10.333	10.533	46.690	50.000	-6.6
Tetrachloro-m-xylene	4.656	4.554	4.754	49.480	50.000	-1.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/08/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074963.D **Time Analyzed:** 16:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.898	4.799	4.999	498.850	500.000	-0.2
Aroclor-1016-2	4.956	4.855	5.055	509.890	500.000	2.0
Aroclor-1016-3	5.076	4.976	5.176	485.380	500.000	-2.9
Aroclor-1016-4	5.117	5.017	5.217	485.820	500.000	-2.8
Aroclor-1016-5	5.331	5.231	5.431	449.260	500.000	-10.1
Aroclor-1260-1	6.359	6.261	6.461	459.180	500.000	-8.2
Aroclor-1260-2	6.545	6.448	6.648	440.890	500.000	-11.8
Aroclor-1260-3	6.700	6.602	6.802	403.430	500.000	-19.3
Aroclor-1260-4	7.169	7.072	7.272	429.010	500.000	-14.2
Aroclor-1260-5	7.408	7.311	7.511	431.040	500.000	-13.8
Decachlorobiphenyl	8.808	8.715	8.915	41.540	50.000	-16.9
Tetrachloro-m-xylene	3.801	3.699	3.899	54.430	50.000	8.9

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Fax : 908 789 8922

Analytical Sequence

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/19/2025 08/19/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/19/2025	09:46	PP074490.D	10.43	4.65
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	10.43	4.65
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	10.44	4.66
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	10.43	4.65
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	10.43	4.66
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	10.44	4.66
AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	10.43	4.65
AR1232ICC500	AR1232ICC500	08/19/2025	11:39	PP074497.D	10.43	4.66
AR1242ICC1000	AR1242ICC1000	08/19/2025	11:55	PP074498.D	10.43	4.66
AR1242ICC750	AR1242ICC750	08/19/2025	12:12	PP074499.D	10.44	4.66
AR1242ICC500	AR1242ICC500	08/19/2025	12:28	PP074500.D	10.43	4.66
AR1242ICC250	AR1242ICC250	08/19/2025	12:44	PP074501.D	10.44	4.66
AR1242ICC050	AR1242ICC050	08/19/2025	13:00	PP074502.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	08/19/2025	13:16	PP074503.D	10.44	4.66
AR1248ICC750	AR1248ICC750	08/19/2025	13:33	PP074504.D	10.44	4.66
AR1248ICC500	AR1248ICC500	08/19/2025	13:49	PP074505.D	10.44	4.66
AR1248ICC250	AR1248ICC250	08/19/2025	14:05	PP074506.D	10.44	4.66
AR1248ICC050	AR1248ICC050	08/19/2025	14:21	PP074507.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	08/19/2025	14:37	PP074508.D	10.44	4.66
AR1254ICC750	AR1254ICC750	08/19/2025	14:53	PP074509.D	10.44	4.66
AR1254ICC500	AR1254ICC500	08/19/2025	15:10	PP074510.D	10.44	4.66
AR1254ICC250	AR1254ICC250	08/19/2025	15:42	PP074511.D	10.44	4.66
AR1254ICC050	AR1254ICC050	08/19/2025	15:58	PP074512.D	10.44	4.66
AR1262ICC500	AR1262ICC500	08/19/2025	16:14	PP074513.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	08/19/2025	16:31	PP074514.D	10.43	4.66
AR1268ICC750	AR1268ICC750	08/19/2025	16:47	PP074515.D	10.44	4.66
AR1268ICC500	AR1268ICC500	08/19/2025	17:03	PP074516.D	10.43	4.66
AR1268ICC250	AR1268ICC250	08/19/2025	17:19	PP074517.D	10.44	4.66
AR1268ICC050	AR1268ICC050	08/19/2025	17:36	PP074518.D	10.43	4.66
AR1660CCC500	AR1660CCC500	09/08/2025	11:51	PP074949.D	10.43	4.65
I.BLK	I.BLK	09/08/2025	13:00	PP074953.D	10.43	4.66
PB169591BL	PB169591BL	09/08/2025	13:16	PP074954.D	10.43	4.66
PB169591BS	PB169591BS	09/08/2025	13:32	PP074955.D	10.43	4.65
SOIL-PILE-1	Q3032-01	09/08/2025	14:04	PP074957.D	10.43	4.66
SOIL-PILE-2	Q3032-04	09/08/2025	14:21	PP074958.D	10.43	4.66
SOIL-PILE-2MS	Q3032-04MS	09/08/2025	14:37	PP074959.D	10.43	4.66
SOIL-PILE-2MSD	Q3032-04MSD	09/08/2025	14:53	PP074960.D	10.43	4.65
AR1660CCC500	AR1660CCC500	09/08/2025	16:04	PP074963.D	10.43	4.66
I.BLK	I.BLK	09/08/2025	17:09	PP074967.D	10.43	4.66

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Fax : 908 789 8922

Analytical Sequence

Client:	**Zuccaro Inc.**	**SDG No.:**	**Q3032**
Project:	**3 Coal Ave., Morristown, NJ**	**Instrument ID:**	**ECD_P**
GC Column:	**ZB-MR2** **ID: 0.32 (mm)**	**Inst. Calib. Date(s):**	**08/19/2025 08/19/2025**

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/19/2025	09:46	PP074490.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	8.81	3.80
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	8.82	3.80
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	8.82	3.80
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	8.81	3.80
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	8.82	3.80
AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	8.82	3.80
AR1232ICC500	AR1232ICC500	08/19/2025	11:39	PP074497.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	08/19/2025	11:55	PP074498.D	8.82	3.80
AR1242ICC750	AR1242ICC750	08/19/2025	12:12	PP074499.D	8.82	3.80
AR1242ICC500	AR1242ICC500	08/19/2025	12:28	PP074500.D	8.81	3.80
AR1242ICC250	AR1242ICC250	08/19/2025	12:44	PP074501.D	8.82	3.80
AR1242ICC050	AR1242ICC050	08/19/2025	13:00	PP074502.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	08/19/2025	13:16	PP074503.D	8.82	3.80
AR1248ICC750	AR1248ICC750	08/19/2025	13:33	PP074504.D	8.82	3.80
AR1248ICC500	AR1248ICC500	08/19/2025	13:49	PP074505.D	8.82	3.80
AR1248ICC250	AR1248ICC250	08/19/2025	14:05	PP074506.D	8.82	3.80
AR1248ICC050	AR1248ICC050	08/19/2025	14:21	PP074507.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	08/19/2025	14:37	PP074508.D	8.82	3.80
AR1254ICC750	AR1254ICC750	08/19/2025	14:53	PP074509.D	8.82	3.80
AR1254ICC500	AR1254ICC500	08/19/2025	15:10	PP074510.D	8.82	3.80
AR1254ICC250	AR1254ICC250	08/19/2025	15:42	PP074511.D	8.82	3.80
AR1254ICC050	AR1254ICC050	08/19/2025	15:58	PP074512.D	8.81	3.80
AR1262ICC500	AR1262ICC500	08/19/2025	16:14	PP074513.D	8.82	3.80
AR1268ICC1000	AR1268ICC1000	08/19/2025	16:31	PP074514.D	8.81	3.80
AR1268ICC750	AR1268ICC750	08/19/2025	16:47	PP074515.D	8.82	3.80
AR1268ICC500	AR1268ICC500	08/19/2025	17:03	PP074516.D	8.81	3.80
AR1268ICC250	AR1268ICC250	08/19/2025	17:19	PP074517.D	8.82	3.80
AR1268ICC050	AR1268ICC050	08/19/2025	17:36	PP074518.D	8.81	3.80
AR1660CCC500	AR1660CCC500	09/08/2025	11:51	PP074949.D	8.81	3.80
I.BLK	I.BLK	09/08/2025	13:00	PP074953.D	8.81	3.80
PB169591BL	PB169591BL	09/08/2025	13:16	PP074954.D	8.81	3.80
PB169591BS	PB169591BS	09/08/2025	13:32	PP074955.D	8.81	3.80
SOIL-PILE-1	Q3032-01	09/08/2025	14:04	PP074957.D	8.81	3.80
SOIL-PILE-2	Q3032-04	09/08/2025	14:21	PP074958.D	8.81	3.80
SOIL-PILE-2MS	Q3032-04MS	09/08/2025	14:37	PP074959.D	8.81	3.80
SOIL-PILE-2MSD	Q3032-04MSD	09/08/2025	14:53	PP074960.D	8.81	3.80
AR1660CCC500	AR1660CCC500	09/08/2025	16:04	PP074963.D	8.81	3.80
I.BLK	I.BLK	09/08/2025	17:09	PP074967.D	8.80	3.80

QC SAMPLE DATA

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169591BL	SDG No.:	Q3032
Lab Sample ID:	PB169591BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 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
PP074954.D	1	09/08/25 09:00	09/08/25 13:16	PB169591

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		30 (32) - 150 (144)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		30 (32) - 150 (175)	113%	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	08/19/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	08/19/25
Client Sample ID:	PIBLK-PP074490.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PP074490.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074490.D	1		08/19/25	PP081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.7		70 (60) - 130 (140)	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		70 (60) - 130 (140)	85%	SPK: 20

Comments:

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PP074953.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PP074953.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074953.D	1		09/08/25	pp090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		70 (60) - 130 (140)	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		70 (60) - 130 (140)	78%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/08/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/08/25
Client Sample ID:	PIBLK-PP074967.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PP074967.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074967.D	1		09/08/25	pp090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		70 (60) - 130 (140)	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.0		70 (60) - 130 (140)	75%	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169591BS	SDG No.:	Q3032
Lab Sample ID:	PB169591BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074955.D	1	09/08/25 09:00	09/08/25 13:32	PB169591

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	165		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	152		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		30 (32) - 150 (144)	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		30 (32) - 150 (175)	112%	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

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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-04MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.2 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074959.D	1	09/08/25 09:00	09/08/25 14:37	PB169591

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	266		4.70	20.4	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.4	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.4	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.4	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.4	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.4	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.4	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.4	ug/kg
11096-82-5	Aroclor-1260	152		3.90	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		30 (32) - 150 (175)	74%	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

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-04MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.2 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
PP074960.D	1	09/08/25 09:00	09/08/25 14:53	PB169591

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	301		4.70	20.4	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.4	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.4	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.4	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.4	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.4	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.4	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.4	ug/kg
11096-82-5	Aroclor-1260	143		3.90	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		30 (32) - 150 (144)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.6		30 (32) - 150 (175)	63%	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
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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			PCB	8082A		09/08/25	09/08/25	
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP Herbicide	8151A		09/11/25	09/11/25	
			TCLP Pesticide	8081B		09/11/25	09/11/25	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			PCB	8082A		09/08/25	09/08/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP Herbicide	8151A		09/11/25	09/11/25	
			TCLP Pesticide	8081B		09/11/25	09/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032 **Order ID:** Q3032

Client: Zuccaro Inc. **Project ID:** 3 Coal Ave., Morristown, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/11/25
Client Sample ID:	PB169589TB	SDG No.:	Q3032
Lab Sample ID:	PB169589TB	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031708.D	1	09/11/25 09:00	09/11/25 19:19	PB169662

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	450		70 (61) - 130 (136)	90%	SPK: 500

Comments:

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-02	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031709.D	1	09/11/25 09:00	09/11/25 19:43	PB169662

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	501		70 (61) - 130 (136)	100%	SPK: 500

Comments:

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-05	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031712.D	1	09/11/25 09:00	09/11/25 20:56	PB169662

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	581		70 (61) - 130 (136)	116%	SPK: 500

Comments:

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QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031667.D	PIBLK-PS031667.D	2,4-DCAA	1	500	445	89		70 (61)	130 (136)
		2,4-DCAA	2	500	525	105		70 (61)	130 (136)
I.BLK-PS031704.D	PIBLK-PS031704.D	2,4-DCAA	1	500	484	97		70 (61)	130 (136)
		2,4-DCAA	2	500	553	111		70 (61)	130 (136)
PB169662BL	PB169662BL	2,4-DCAA	1	500	481	96		70 (61)	130 (136)
		2,4-DCAA	2	500	535	107		70 (61)	130 (136)
PB169662BS	PB169662BS	2,4-DCAA	1	500	582	116		70 (61)	130 (136)
		2,4-DCAA	2	500	569	114		70 (61)	130 (136)
PB169589TB	PB169589TB	2,4-DCAA	1	500	385	77		70 (61)	130 (136)
		2,4-DCAA	2	500	450	90		70 (61)	130 (136)
Q3032-02	SOIL-PILE-1	2,4-DCAA	1	500	427	85		70 (61)	130 (136)
		2,4-DCAA	2	500	501	100		70 (61)	130 (136)
Q3032-02MS	SOIL-PILE-1MS	2,4-DCAA	1	500	534	107		70 (61)	130 (136)
		2,4-DCAA	2	500	648	130		70 (61)	130 (136)
Q3032-02MSD	SOIL-PILE-1MSD	2,4-DCAA	1	500	558	112		70 (61)	130 (136)
		2,4-DCAA	2	500	658	132	*	70 (61)	130 (136)
Q3032-05	SOIL-PILE-2	2,4-DCAA	1	500	488	98		70 (61)	130 (136)
		2,4-DCAA	2	500	581	116		70 (61)	130 (136)
I.BLK-PS031713.D	PIBLK-PS031713.D	2,4-DCAA	1	500	495	99		70 (61)	130 (136)
		2,4-DCAA	2	500	536	107		70 (61)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8151A

Client: Zuccaro Inc. **DataFile :** PS031710.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3032-02MS (Column 1)**	**Client Sample ID:**		**SOIL-PILE-1MS**								
	2,4-D	50	0	58.4	ug/L	117				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	53.0	ug/L	106				70 (62)	130 (139)	
Lab Sample ID:	**Q3032-02MS (Column 2)**	**Client Sample ID:**		**SOIL-PILE-1MS**								
	2,4-D	50	0	59.8	ug/L	120				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	50.7	ug/L	101				70 (62)	130 (139)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8151A

Client: Zuccaro Inc. **DataFile :** PS031711.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3032-02MSD (Column 1)**	**Client Sample ID:**		**SOIL-PILE-1MSD**								
	2,4-D	50	0	57.9	ug/L	116		1		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	53.0	ug/L	106		0		70 (62)	130 (139)	20 (20)
Lab Sample ID:	**Q3032-02MSD (Column 2)**	**Client Sample ID:**		**SOIL-PILE-1MSD**								
	2,4-D	50	0	58.4	ug/L	117		3		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	50.1	ug/L	100		1		70 (62)	130 (139)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3032 **Analytical Method:** 8151A

Client: Zuccaro Inc. **Datafile :** PS031707.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169662BS (Column 1)	2,4-D	5	6.20	ug/L	124				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.40	ug/L	108				70 (78)	130 (127)	
PB169662BS (Column 2)	2,4-D	5	4.90	ug/L	98				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.20	ug/L	104				70 (78)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169662BL

Lab Name: Alliance | Contract: ZUCC01

Lab Code: ACE | SDG NO.: Q3032

Lab Sample ID: PB169662BL | Lab File ID: PS031706.D

Matrix: (soil/water) water | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 09/11/2025

Date Analyzed (1): 09/11/2025 | Date Analyzed (2): 09/11/2025

Time Analyzed (1): 18:31 | Time Analyzed (2): 18:31

Instrument ID (1): ECD_S | Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) | GC Column (2): RTX-CLP2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB169662BS	PB169662BS	PS031707.D	09/11/2025	09/11/2025
PB169589TB	PB169589TB	PS031708.D	09/11/2025	09/11/2025
SOIL-PILE-1	Q3032-02	PS031709.D	09/11/2025	09/11/2025
SOIL-PILE-1MS	Q3032-02MS	PS031710.D	09/11/2025	09/11/2025
SOIL-PILE-1MSD	Q3032-02MSD	PS031711.D	09/11/2025	09/11/2025
SOIL-PILE-2	Q3032-05	PS031712.D	09/11/2025	09/11/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169662BL	SDG No.:	Q3032
Lab Sample ID:	PB169662BL	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031706.D	1	09/11/25 09:00	09/11/25 18:31	PB169662

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	535		70 (61) - 130 (136)	107%	SPK: 500

Comments:

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/09/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/09/25
Client Sample ID:	PIBLK-PS031667.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PS031667.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031667.D	1		09/09/25	Ps090925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	525		70 (61) - 130 (136)	105%	SPK: 500

Comments:

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/11/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/11/25
Client Sample ID:	PIBLK-PS031704.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PS031704.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031704.D	1		09/11/25	PS091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	553		70 (61) - 130 (136)	111%	SPK: 500

Comments:

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

Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/11/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/11/25
Client Sample ID:	PIBLK-PS031713.D	SDG No.:	Q3032
Lab Sample ID:	I.BLK-PS031713.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031713.D	1		09/11/25	PS091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	536		70 (61) - 130 (136)	107%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	
Project:	3 Coal Ave., Morristown, NJ	Date Received:	
Client Sample ID:	PB169662BS	SDG No.:	Q3032
Lab Sample ID:	PB169662BS	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031707.D	1	09/11/25 09:00	09/11/25 18:55	PB169662

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	6.20		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.40		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	582		70 (61) - 130 (136)	116%	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MS	SDG No.:	Q3032
Lab Sample ID:	Q3032-02MS	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031710.D	1	09/11/25 09:00	09/11/25 20:07	PB169662

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	59.8		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	53.0		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	648		70 (61) - 130 (136)	130%	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1MSD	SDG No.:	Q3032
Lab Sample ID:	Q3032-02MSD	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031711.D	1	09/11/25 09:00	09/11/25 20:32	PB169662

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	58.4		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	53.0		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	658	*	70 (61) - 130 (136)	132%	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

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 09/09/2025 09/09/2025
Calibration Times: 11:32 13:08

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

LAB FILE ID: RT 200 = PS031668.D RT 500 = PS031669.D
RT 750 = PS031670.D RT 1000 = PS031671.D RT 1500 = PS031672.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.29	9.29	9.29	9.29	9.29	9.29	9.19	9.39
2,4-D	8.42	8.42	8.41	8.41	8.41	8.42	8.32	8.52
2,4-DCAA	7.29	7.29	7.29	7.29	7.28	7.29	7.19	7.39

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 09/09/2025 09/09/2025
Calibration Times: 11:32 13:08

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

LAB FILE ID: RT 200 = PS031668.D RT 500 = PS031669.D
RT 750 = PS031670.D RT 1000 = PS031671.D RT 1500 = PS031672.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.90	9.89	9.89	9.89	9.89	9.89	9.79	9.99
2,4-D	9.01	9.00	9.00	9.00	9.00	9.00	8.90	9.10
2,4-DCAA	7.75	7.74	7.74	7.74	7.74	7.74	7.64	7.84

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 09/09/2025 09/09/2025
Calibration Times: 11:32 13:08

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

LAB FILE ID: CF 200 = PS031668.D CF 500 = PS031669.D
CF 750 = PS031670.D CF 1000 = PS031671.D CF 1500 = PS031672.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	23314400000	21668300000	20672900000	19997800000	19215100000	20973700000	8
2,4-D	3623310000	3886470000	3301510000	3166900000	3150010000	3425640000	9
2,4-DCAA	3985360000	3774560000	3531130000	3388800000	3327800000	3601530000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ZUCC01
SDG NO.: Q3032
Calibration Date(s): 09/09/2025 09/09/2025
Calibration Times: 11:32 13:08

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

LAB FILE ID: CF 200 = PS031668.D CF 500 = PS031669.D
CF 750 = PS031670.D CF 1000 = PS031671.D CF 1500 = PS031672.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	16378200000	15425200000	14913400000	14552800000	14002000000	15054300000	6
2,4-D	1798080000	1663870000	1619090000	1589690000	1554820000	1645110000	6
2,4-DCAA	975058000	912799000	892983000	889945000	873713000	908899000	4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/11/2025 **Initial Calibration Date(s):** 09/09/2025 09/09/2025

Continuing Calib Time: 18:00 **Initial Calibration Time(s):** 11:32 13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.29	7.29	7.19	7.39	0.00
2,4-D	8.42	8.41	8.31	8.51	-0.01
2,4,5-TP(Silvex)	9.29	9.29	9.19	9.39	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/11/2025 **Initial Calibration Date(s):** 09/09/2025 09/09/2025

Continuing Calib Time: 18:00 **Initial Calibration Time(s):** 11:32 13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.74	7.74	7.64	7.84	0.00
2,4-D	9.00	9.00	8.90	9.10	0.00
2,4,5-TP(Silvex)	9.90	9.89	9.79	9.99	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/09/2025 09/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031705.D **Time Analyzed:** 18:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.288	9.185	9.385	762.010	712.500	6.9
2,4-D	8.416	8.314	8.514	755.300	705.000	7.1
2,4-DCAA	7.287	7.185	7.385	801.560	750.000	6.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/09/2025 09/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031705.D **Time Analyzed:** 18:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.895	9.793	9.993	742.490	712.500	4.2
2,4-D	9.003	8.900	9.100	709.910	705.000	0.7
2,4-DCAA	7.744	7.643	7.843	756.270	750.000	0.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/11/2025 **Initial Calibration Date(s):** 09/09/2025 09/09/2025

Continuing Calib Time: 21:44 **Initial Calibration Time(s):** 11:32 13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.29	7.29	7.19	7.39	0.00
2,4-D	8.42	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.29	9.29	9.19	9.39	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Continuing Calib Date: 09/11/2025 **Initial Calibration Date(s):** 09/09/2025 09/09/2025

Continuing Calib Time: 21:44 **Initial Calibration Time(s):** 11:32 13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.74	7.74	7.64	7.84	0.00
2,4-D	9.00	9.00	8.90	9.10	0.00
2,4,5-TP(Silvex)	9.89	9.89	9.79	9.99	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/09/2025 09/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031714.D **Time Analyzed:** 21:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.287	9.185	9.385	763.930	712.500	7.2
2,4-D	8.415	8.314	8.514	744.760	705.000	5.6
2,4-DCAA	7.286	7.185	7.385	804.150	750.000	7.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/09/2025 09/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031714.D **Time Analyzed:** 21:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.894	9.793	9.993	735.030	712.500	3.2
2,4-D	9.002	8.900	9.100	708.410	705.000	0.5
2,4-DCAA	7.744	7.643	7.843	749.090	750.000	-0.1

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Analytical Sequence

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/09/2025 09/09/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	09/09/2025	11:08	PS031667.D	7.29	0.00
HSTDICC200	HSTDICC200	09/09/2025	11:32	PS031668.D	7.29	0.00
HSTDICC500	HSTDICC500	09/09/2025	11:56	PS031669.D	7.29	0.00
HSTDICC750	HSTDICC750	09/09/2025	12:20	PS031670.D	7.29	0.00
HSTDICC1000	HSTDICC1000	09/09/2025	12:44	PS031671.D	7.29	0.00
HSTDICC1500	HSTDICC1500	09/09/2025	13:08	PS031672.D	7.28	0.00
I.BLK	I.BLK	09/11/2025	17:36	PS031704.D	7.29	0.00
HSTDCCC750	HSTDCCC750	09/11/2025	18:00	PS031705.D	7.29	0.00
PB169662BL	PB169662BL	09/11/2025	18:31	PS031706.D	7.29	0.00
PB169662BS	PB169662BS	09/11/2025	18:55	PS031707.D	7.29	0.00
PB169589TB	PB169589TB	09/11/2025	19:19	PS031708.D	7.29	0.00
SOIL-PILE-1	Q3032-02	09/11/2025	19:43	PS031709.D	7.29	0.00
SOIL-PILE-1MS	Q3032-02MS	09/11/2025	20:07	PS031710.D	7.29	0.00
SOIL-PILE-1MSD	Q3032-02MSD	09/11/2025	20:32	PS031711.D	7.29	0.00
SOIL-PILE-2	Q3032-05	09/11/2025	20:56	PS031712.D	7.29	0.00
I.BLK	I.BLK	09/11/2025	21:20	PS031713.D	7.29	0.00
HSTDCCC750	HSTDCCC750	09/11/2025	21:44	PS031714.D	7.29	0.00

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Analytical Sequence

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/09/2025 09/09/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	09/09/2025	11:08	PS031667.D	7.75	0.00
HSTDICC200	HSTDICC200	09/09/2025	11:32	PS031668.D	7.75	0.00
HSTDICC500	HSTDICC500	09/09/2025	11:56	PS031669.D	7.74	0.00
HSTDICC750	HSTDICC750	09/09/2025	12:20	PS031670.D	7.74	0.00
HSTDICC1000	HSTDICC1000	09/09/2025	12:44	PS031671.D	7.74	0.00
HSTDICC1500	HSTDICC1500	09/09/2025	13:08	PS031672.D	7.74	0.00
I.BLK	I.BLK	09/11/2025	17:36	PS031704.D	7.75	0.00
HSTDCCC750	HSTDCCC750	09/11/2025	18:00	PS031705.D	7.74	0.00
PB169662BL	PB169662BL	09/11/2025	18:31	PS031706.D	7.74	0.00
PB169662BS	PB169662BS	09/11/2025	18:55	PS031707.D	7.75	0.00
PB169589TB	PB169589TB	09/11/2025	19:19	PS031708.D	7.75	0.00
SOIL-PILE-1	Q3032-02	09/11/2025	19:43	PS031709.D	7.74	0.00
SOIL-PILE-1MS	Q3032-02MS	09/11/2025	20:07	PS031710.D	7.74	0.00
SOIL-PILE-1MSD	Q3032-02MSD	09/11/2025	20:32	PS031711.D	7.74	0.00
SOIL-PILE-2	Q3032-05	09/11/2025	20:56	PS031712.D	7.74	0.00
I.BLK	I.BLK	09/11/2025	21:20	PS031713.D	7.75	0.00
HSTDCCC750	HSTDCCC750	09/11/2025	21:44	PS031714.D	7.74	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.: PB169662BS

Lab Name: Alliance
Contract: ZUCC01
Lab Code: ACE
SDG NO.: Q3032
Lab Sample ID: PB169662BS
Date(s) Analyzed: 09/11/2025 09/11/2025
Instrument ID (1): ECD_S
Instrument ID (2): ECD_S
GC Column: (1): RTX-CLP ID: 0.32 (mm)
GC Column:(2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	5.40	3.8
	2	9.90	9.85	9.95	5.20	
2,4-D	1	8.42	8.37	8.47	6.20	23.4
	2	9.01	8.96	9.06	4.90	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILE-1MS

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **SDG NO.:** Q3032

Lab Sample ID: Q3032-02MS **Date(s) Analyzed:** 09/11/2025 09/11/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.41	8.36	8.46	58.4	2.4
	2	9.00	8.95	9.05	59.8	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	53.0	4.4
	2	9.89	9.84	9.94	50.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
SOIL-PILE-1MSD

Lab Name: Alliance
Contract: ZUCC01
Lab Code: ACE
SDG NO.: Q3032
Lab Sample ID: Q3032-02MSD
Date(s) Analyzed: 09/11/2025 09/11/2025
Instrument ID (1): ECD_S
Instrument ID (2): ECD_S
GC Column: (1): RTX-CLP ID: 0.32 (mm)
GC Column:(2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.41	8.36	8.46	57.9	0.9
	2	9.00	8.95	9.05	58.4	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	53.0	5.6
	2	9.89	9.84	9.94	50.1	

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			Mercury	7471B		09/08/25	09/08/25	
			Metals ICP-TAL	6010D		09/08/25	09/08/25	
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP ICP Metals	6010D		09/09/25	09/09/25	
			TCLP Mercury	7470A		09/09/25	09/10/25	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			Mercury	7471B		09/08/25	09/08/25	
			Metals ICP-TAL	6010D		09/08/25	09/08/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP ICP Metals	6010D		09/09/25	09/09/25	
			TCLP Mercury	7470A		09/09/25	09/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3032 **Order ID:** Q3032

Client: Zuccaro Inc. **Project ID:** 3 Coal Ave., Morristown, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SOIL-PILE-1								
Q3032-01	SOIL-PILE-1	SOIL	Aluminum	6760		0.86	5.10	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Arsenic	4.10		0.19	1.02	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Barium	37.7		0.74	5.10	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Beryllium	0.68		0.025	0.31	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Cadmium	0.89		0.024	0.31	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Calcium	3880		11.3	102	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Chromium	12.9		0.048	0.51	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Cobalt	10.2		0.10	1.53	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Copper	27.7		0.22	1.02	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Iron	23400		4.07	5.10	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Lead	30.5		0.13	0.61	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Magnesium	2930		12.2	102	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Manganese	249		0.14	1.02	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Mercury	0.034		0.0080	0.015	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Nickel	16.0		0.13	2.04	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Potassium	913		28.2	102	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Silver	0.40	J	0.12	0.51	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Sodium	1040		18.2	102	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Vanadium	25.7		0.26	2.04	mg/Kg
Q3032-01	SOIL-PILE-1	SOIL	Zinc	61.8		0.24	2.04	mg/Kg
Client ID : SOIL-PILE-2								
Q3032-04	SOIL-PILE-2	SOIL	Aluminum	7000		0.87	5.18	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Arsenic	4.40		0.20	1.04	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Barium	37.5		0.76	5.18	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Beryllium	0.59		0.026	0.31	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Cadmium	0.62		0.025	0.31	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Calcium	2570		11.5	104	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Chromium	12.8		0.049	0.52	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Cobalt	7.81		0.10	1.55	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Copper	20.8		0.23	1.04	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Iron	16700		4.13	5.18	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Lead	64.6		0.14	0.62	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Magnesium	2120		12.4	104	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Manganese	211		0.14	1.04	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Mercury	0.18		0.0090	0.016	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Nickel	12.8		0.14	2.07	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Potassium	552		28.7	104	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3032 **Order ID:** Q3032

Client: Zuccaro Inc. **Project ID:** 3 Coal Ave., Morristown, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3032-04	SOIL-PILE-2	SOIL	Silver	0.47	J	0.12	0.52	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Sodium	383		18.4	104	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Vanadium	24.3		0.26	2.07	mg/Kg
Q3032-04	SOIL-PILE-2	SOIL	Zinc	72.2		0.24	2.07	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6760		1	0.86	5.10	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.55	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-38-2	Arsenic	4.10	N	1	0.19	1.02	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-39-3	Barium	37.7	N	1	0.74	5.10	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-41-7	Beryllium	0.68	N	1	0.025	0.31	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-43-9	Cadmium	0.89		1	0.024	0.31	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-70-2	Calcium	3880		1	11.3	102	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-47-3	Chromium	12.9		1	0.048	0.51	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-48-4	Cobalt	10.2		1	0.10	1.53	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-50-8	Copper	27.7		1	0.22	1.02	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7439-89-6	Iron	23400		1	4.07	5.10	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7439-92-1	Lead	30.5	N	1	0.13	0.61	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7439-95-4	Magnesium	2930		1	12.2	102	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7439-96-5	Manganese	249	*	1	0.14	1.02	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7439-97-6	Mercury	0.034		1	0.0080	0.015	mg/Kg	09/08/25 09:25	09/08/25 15:32	7471B	
7440-02-0	Nickel	16.0		1	0.13	2.04	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-09-7	Potassium	913		1	28.2	102	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.02	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-22-4	Silver	0.40	J	1	0.12	0.51	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-23-5	Sodium	1040	N	1	18.2	102	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.04	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-62-2	Vanadium	25.7		1	0.26	2.04	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050
7440-66-6	Zinc	61.8		1	0.24	2.04	mg/Kg	09/08/25 10:20	09/08/25 15:32	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	TCL+30/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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7000		1	0.87	5.18	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.59	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-38-2	Arsenic	4.40	N	1	0.20	1.04	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-39-3	Barium	37.5	N	1	0.76	5.18	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-41-7	Beryllium	0.59	N	1	0.026	0.31	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-43-9	Cadmium	0.62		1	0.025	0.31	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-70-2	Calcium	2570		1	11.5	104	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-47-3	Chromium	12.8		1	0.049	0.52	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-48-4	Cobalt	7.81		1	0.10	1.55	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-50-8	Copper	20.8		1	0.23	1.04	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7439-89-6	Iron	16700		1	4.13	5.18	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7439-92-1	Lead	64.6	N	1	0.14	0.62	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7439-95-4	Magnesium	2120		1	12.4	104	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7439-96-5	Manganese	211	*	1	0.14	1.04	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7439-97-6	Mercury	0.18		1	0.0090	0.016	mg/Kg	09/08/25 09:25	09/08/25 15:35	7471B	
7440-02-0	Nickel	12.8		1	0.14	2.07	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-09-7	Potassium	552		1	28.7	104	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.04	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-22-4	Silver	0.47	J	1	0.12	0.52	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-23-5	Sodium	383	N	1	18.4	104	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.07	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-62-2	Vanadium	24.3		1	0.26	2.07	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050
7440-66-6	Zinc	72.2		1	0.24	2.07	mg/Kg	09/08/25 10:20	09/08/25 15:36	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

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

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

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV22	Mercury	4.14	4.0	104	90 - 110	CV	09/08/2025	14:34	LB137106

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc.
SDG No.: Q3032
Contract: ZUCC01
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV63	Mercury	5.12	5.0	102	90 - 110	CV	09/08/2025	14:38	LB137106
CCV64	Mercury	5.07	5.0	101	90 - 110	CV	09/08/2025	15:12	LB137106
CCV65	Mercury	4.98	5.0	100	90 - 110	CV	09/08/2025	15:39	LB137106
CCV66	Mercury	4.79	5.0	96	90 - 110	CV	09/08/2025	15:56	LB137106

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7750	8000	97	90 - 110	P	09/08/2025	12:08	LB137113
	Antimony	4000	4000	100	90 - 110	P	09/08/2025	12:08	LB137113
	Arsenic	3910	4000	98	90 - 110	P	09/08/2025	12:08	LB137113
	Barium	7740	8000	97	90 - 110	P	09/08/2025	12:08	LB137113
	Beryllium	195	200	98	90 - 110	P	09/08/2025	12:08	LB137113
	Cadmium	1920	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Calcium	19200	20000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Chromium	794	800	99	90 - 110	P	09/08/2025	12:08	LB137113
	Cobalt	1930	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Copper	991	1000	99	90 - 110	P	09/08/2025	12:08	LB137113
	Iron	3920	4000	98	90 - 110	P	09/08/2025	12:08	LB137113
	Lead	3770	4000	94	90 - 110	P	09/08/2025	12:08	LB137113
	Magnesium	19300	20000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Manganese	1920	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Nickel	1930	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Potassium	19200	20000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Selenium	3960	4000	99	90 - 110	P	09/08/2025	12:08	LB137113
	Silver	971	1000	97	90 - 110	P	09/08/2025	12:08	LB137113
	Sodium	19300	20000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Thallium	3880	4000	97	90 - 110	P	09/08/2025	12:08	LB137113
	Vanadium	1930	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Zinc	1970	2000	98	90 - 110	P	09/08/2025	12:08	LB137113

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	106	100	106	80 - 120	P	09/08/2025	12:14	LB137113
	Antimony	50.7	50.0	102	80 - 120	P	09/08/2025	12:14	LB137113
	Arsenic	21.9	20.0	110	80 - 120	P	09/08/2025	12:14	LB137113
	Barium	98.2	100	98	80 - 120	P	09/08/2025	12:14	LB137113
	Beryllium	6.32	6.0	105	80 - 120	P	09/08/2025	12:14	LB137113
	Cadmium	5.91	6.0	98	80 - 120	P	09/08/2025	12:14	LB137113
	Calcium	2110	2000	105	80 - 120	P	09/08/2025	12:14	LB137113
	Chromium	10.1	10.0	101	80 - 120	P	09/08/2025	12:14	LB137113
	Cobalt	30.1	30.0	100	80 - 120	P	09/08/2025	12:14	LB137113
	Copper	22.0	20.0	110	80 - 120	P	09/08/2025	12:14	LB137113
	Iron	109	100	109	80 - 120	P	09/08/2025	12:14	LB137113
	Lead	12.9	12.0	108	80 - 120	P	09/08/2025	12:14	LB137113
	Magnesium	2180	2000	109	80 - 120	P	09/08/2025	12:14	LB137113
	Manganese	22.4	20.0	112	80 - 120	P	09/08/2025	12:14	LB137113
	Nickel	39.9	40.0	100	80 - 120	P	09/08/2025	12:14	LB137113
	Potassium	1990	2000	100	80 - 120	P	09/08/2025	12:14	LB137113
	Selenium	19.6	20.0	98	80 - 120	P	09/08/2025	12:14	LB137113
	Silver	10.5	10.0	105	80 - 120	P	09/08/2025	12:14	LB137113
	Sodium	1970	2000	98	80 - 120	P	09/08/2025	12:14	LB137113
	Thallium	41.9	40.0	105	80 - 120	P	09/08/2025	12:14	LB137113
	Vanadium	41.3	40.0	103	80 - 120	P	09/08/2025	12:14	LB137113
	Zinc	42.5	40.0	106	80 - 120	P	09/08/2025	12:14	LB137113

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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Antimony	5010	5000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Arsenic	5010	5000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Barium	10100	10000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Beryllium	248	250	99	90 - 110	P	09/08/2025	12:43	LB137113
	Cadmium	2490	2500	99	90 - 110	P	09/08/2025	12:43	LB137113
	Calcium	25000	25000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Chromium	1010	1000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Cobalt	2490	2500	99	90 - 110	P	09/08/2025	12:43	LB137113
	Copper	1250	1250	100	90 - 110	P	09/08/2025	12:43	LB137113
	Iron	5050	5000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Lead	4920	5000	98	90 - 110	P	09/08/2025	12:43	LB137113
	Magnesium	25000	25000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Manganese	2500	2500	100	90 - 110	P	09/08/2025	12:43	LB137113
	Nickel	2480	2500	99	90 - 110	P	09/08/2025	12:43	LB137113
	Potassium	25000	25000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Selenium	5020	5000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Silver	1240	1250	100	90 - 110	P	09/08/2025	12:43	LB137113
	Sodium	25500	25000	102	90 - 110	P	09/08/2025	12:43	LB137113
	Thallium	4890	5000	98	90 - 110	P	09/08/2025	12:43	LB137113
	Vanadium	2510	2500	100	90 - 110	P	09/08/2025	12:43	LB137113
	Zinc	2530	2500	101	90 - 110	P	09/08/2025	12:43	LB137113
CCV02	Aluminum	9940	10000	99	90 - 110	P	09/08/2025	13:36	LB137113
	Antimony	5000	5000	100	90 - 110	P	09/08/2025	13:36	LB137113
	Arsenic	5000	5000	100	90 - 110	P	09/08/2025	13:36	LB137113
	Barium	10000	10000	100	90 - 110	P	09/08/2025	13:36	LB137113
	Beryllium	243	250	97	90 - 110	P	09/08/2025	13:36	LB137113
	Cadmium	2470	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Calcium	24700	25000	99	90 - 110	P	09/08/2025	13:36	LB137113
	Chromium	993	1000	99	90 - 110	P	09/08/2025	13:36	LB137113
	Cobalt	2470	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Copper	1250	1250	100	90 - 110	P	09/08/2025	13:36	LB137113
	Iron	5060	5000	101	90 - 110	P	09/08/2025	13:36	LB137113
	Lead	4890	5000	98	90 - 110	P	09/08/2025	13:36	LB137113

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24600	25000	98	90 - 110	P	09/08/2025	13:36	LB137113
	Manganese	2470	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Nickel	2460	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Potassium	25300	25000	101	90 - 110	P	09/08/2025	13:36	LB137113
	Selenium	5040	5000	101	90 - 110	P	09/08/2025	13:36	LB137113
	Silver	1230	1250	99	90 - 110	P	09/08/2025	13:36	LB137113
	Sodium	25500	25000	102	90 - 110	P	09/08/2025	13:36	LB137113
	Thallium	4970	5000	100	90 - 110	P	09/08/2025	13:36	LB137113
	Vanadium	2490	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Zinc	2500	2500	100	90 - 110	P	09/08/2025	13:36	LB137113
CCV03	Aluminum	9830	10000	98	90 - 110	P	09/08/2025	14:42	LB137113
	Antimony	4980	5000	100	90 - 110	P	09/08/2025	14:42	LB137113
	Arsenic	4970	5000	100	90 - 110	P	09/08/2025	14:42	LB137113
	Barium	9920	10000	99	90 - 110	P	09/08/2025	14:42	LB137113
	Beryllium	239	250	96	90 - 110	P	09/08/2025	14:42	LB137113
	Cadmium	2440	2500	98	90 - 110	P	09/08/2025	14:42	LB137113
	Calcium	24200	25000	97	90 - 110	P	09/08/2025	14:42	LB137113
	Chromium	970	1000	97	90 - 110	P	09/08/2025	14:42	LB137113
	Cobalt	2450	2500	98	90 - 110	P	09/08/2025	14:42	LB137113
	Copper	1240	1250	99	90 - 110	P	09/08/2025	14:42	LB137113
	Iron	4950	5000	99	90 - 110	P	09/08/2025	14:42	LB137113
	Lead	4830	5000	96	90 - 110	P	09/08/2025	14:42	LB137113
	Magnesium	24000	25000	96	90 - 110	P	09/08/2025	14:42	LB137113
	Manganese	2430	2500	97	90 - 110	P	09/08/2025	14:42	LB137113
	Nickel	2430	2500	97	90 - 110	P	09/08/2025	14:42	LB137113
	Potassium	25200	25000	101	90 - 110	P	09/08/2025	14:42	LB137113
	Selenium	5070	5000	101	90 - 110	P	09/08/2025	14:42	LB137113
	Silver	1220	1250	97	90 - 110	P	09/08/2025	14:42	LB137113
	Sodium	25300	25000	101	90 - 110	P	09/08/2025	14:42	LB137113
	Thallium	5500	5000	110	90 - 110	P	09/08/2025	14:42	LB137113
	Vanadium	2450	2500	98	90 - 110	P	09/08/2025	14:42	LB137113
	Zinc	2470	2500	99	90 - 110	P	09/08/2025	14:42	LB137113
CCV04	Aluminum	9950	10000	100	90 - 110	P	09/08/2025	15:44	LB137113
	Antimony	5000	5000	100	90 - 110	P	09/08/2025	15:44	LB137113

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5040	5000	101	90 - 110	P	09/08/2025	15:44	LB137113
	Barium	9840	10000	98	90 - 110	P	09/08/2025	15:44	LB137113
	Beryllium	243	250	97	90 - 110	P	09/08/2025	15:44	LB137113
	Cadmium	2490	2500	99	90 - 110	P	09/08/2025	15:44	LB137113
	Calcium	24400	25000	98	90 - 110	P	09/08/2025	15:44	LB137113
	Chromium	993	1000	99	90 - 110	P	09/08/2025	15:44	LB137113
	Cobalt	2480	2500	99	90 - 110	P	09/08/2025	15:44	LB137113
	Copper	1260	1250	100	90 - 110	P	09/08/2025	15:44	LB137113
	Iron	4990	5000	100	90 - 110	P	09/08/2025	15:44	LB137113
	Lead	4890	5000	98	90 - 110	P	09/08/2025	15:44	LB137113
	Magnesium	24400	25000	98	90 - 110	P	09/08/2025	15:44	LB137113
	Manganese	2430	2500	97	90 - 110	P	09/08/2025	15:44	LB137113
	Nickel	2460	2500	98	90 - 110	P	09/08/2025	15:44	LB137113
	Potassium	24700	25000	99	90 - 110	P	09/08/2025	15:44	LB137113
	Selenium	5100	5000	102	90 - 110	P	09/08/2025	15:44	LB137113
	Silver	1230	1250	98	90 - 110	P	09/08/2025	15:44	LB137113
	Sodium	24700	25000	99	90 - 110	P	09/08/2025	15:44	LB137113
	Thallium	4520	5000	90	90 - 110	P	09/08/2025	15:44	LB137113
	Vanadium	2470	2500	99	90 - 110	P	09/08/2025	15:44	LB137113
	Zinc	2500	2500	100	90 - 110	P	09/08/2025	15:44	LB137113
CCV05	Aluminum	9870	10000	99	90 - 110	P	09/08/2025	16:13	LB137113
	Antimony	4950	5000	99	90 - 110	P	09/08/2025	16:13	LB137113
	Arsenic	4950	5000	99	90 - 110	P	09/08/2025	16:13	LB137113
	Barium	9640	10000	96	90 - 110	P	09/08/2025	16:13	LB137113
	Beryllium	241	250	96	90 - 110	P	09/08/2025	16:13	LB137113
	Cadmium	2450	2500	98	90 - 110	P	09/08/2025	16:13	LB137113
	Calcium	24200	25000	97	90 - 110	P	09/08/2025	16:13	LB137113
	Chromium	983	1000	98	90 - 110	P	09/08/2025	16:13	LB137113
	Cobalt	2450	2500	98	90 - 110	P	09/08/2025	16:13	LB137113
	Copper	1240	1250	99	90 - 110	P	09/08/2025	16:13	LB137113
	Iron	4950	5000	99	90 - 110	P	09/08/2025	16:13	LB137113
	Lead	4820	5000	96	90 - 110	P	09/08/2025	16:13	LB137113
	Magnesium	24200	25000	97	90 - 110	P	09/08/2025	16:13	LB137113
	Manganese	2410	2500	96	90 - 110	P	09/08/2025	16:13	LB137113

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2430	2500	97	90 - 110	P	09/08/2025	16:13	LB137113
	Potassium	24400	25000	98	90 - 110	P	09/08/2025	16:13	LB137113
	Selenium	5030	5000	101	90 - 110	P	09/08/2025	16:13	LB137113
	Silver	1220	1250	98	90 - 110	P	09/08/2025	16:13	LB137113
	Sodium	24500	25000	98	90 - 110	P	09/08/2025	16:13	LB137113
	Thallium	4580	5000	92	90 - 110	P	09/08/2025	16:13	LB137113
	Vanadium	2450	2500	98	90 - 110	P	09/08/2025	16:13	LB137113
	Zinc	2490	2500	99	90 - 110	P	09/08/2025	16:13	LB137113

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	105	100	105	65 - 135	P	09/08/2025	12:22	LB137113
	Antimony	47.9	50.0	96	65 - 135	P	09/08/2025	12:22	LB137113
	Arsenic	21.0	20.0	105	65 - 135	P	09/08/2025	12:22	LB137113
	Barium	100	100	100	65 - 135	P	09/08/2025	12:22	LB137113
	Beryllium	6.37	6.0	106	65 - 135	P	09/08/2025	12:22	LB137113
	Cadmium	5.92	6.0	99	65 - 135	P	09/08/2025	12:22	LB137113
	Calcium	2090	2000	104	65 - 135	P	09/08/2025	12:22	LB137113
	Chromium	10.3	10.0	103	65 - 135	P	09/08/2025	12:22	LB137113
	Cobalt	29.8	30.0	99	65 - 135	P	09/08/2025	12:22	LB137113
	Copper	22.0	20.0	110	65 - 135	P	09/08/2025	12:22	LB137113
	Iron	106	100	106	65 - 135	P	09/08/2025	12:22	LB137113
	Lead	11.7	12.0	98	65 - 135	P	09/08/2025	12:22	LB137113
	Magnesium	2170	2000	108	65 - 135	P	09/08/2025	12:22	LB137113
	Manganese	22.5	20.0	113	65 - 135	P	09/08/2025	12:22	LB137113
	Nickel	39.6	40.0	99	65 - 135	P	09/08/2025	12:22	LB137113
	Potassium	1930	2000	97	65 - 135	P	09/08/2025	12:22	LB137113
	Selenium	19.7	20.0	99	65 - 135	P	09/08/2025	12:22	LB137113
	Silver	10.1	10.0	101	65 - 135	P	09/08/2025	12:22	LB137113
	Sodium	1980	2000	99	65 - 135	P	09/08/2025	12:22	LB137113
	Thallium	38.7	40.0	97	65 - 135	P	09/08/2025	12:22	LB137113
	Vanadium	41.8	40.0	104	65 - 135	P	09/08/2025	12:22	LB137113
	Zinc	42.4	40.0	106	65 - 135	P	09/08/2025	12:22	LB137113
CRA	Mercury	0.16	0.2	81	70 - 130	CV	09/08/2025	14:46	LB137106

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB22	Mercury	0.076	+/-0.2	U	0.20	CV	09/08/2025	14:36	LB137106

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB63	Mercury	0.076	+/-0.2	U	0.20	CV	09/08/2025	14:43	LB137106
CCB64	Mercury	0.076	+/-0.2	U	0.20	CV	09/08/2025	15:14	LB137106
CCB65	Mercury	0.076	+/-0.2	U	0.20	CV	09/08/2025	15:41	LB137106
CCB66	Mercury	0.076	+/-0.2	U	0.20	CV	09/08/2025	15:58	LB137106

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	09/08/2025	12:18	LB137113
	Antimony	6.76	+/-25	U	50.0	P	09/08/2025	12:18	LB137113
	Arsenic	5.12	+/-10	U	20.0	P	09/08/2025	12:18	LB137113
	Barium	14.6	+/-50	U	100	P	09/08/2025	12:18	LB137113
	Beryllium	0.56	+/-3	U	6.00	P	09/08/2025	12:18	LB137113
	Cadmium	0.50	+/-3	U	6.00	P	09/08/2025	12:18	LB137113
	Calcium	234	+/-1000	U	2000	P	09/08/2025	12:18	LB137113
	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	12:18	LB137113
	Cobalt	2.26	+/-15	U	30.0	P	09/08/2025	12:18	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	12:18	LB137113
	Iron	23.4	+/-50	U	100	P	09/08/2025	12:18	LB137113
	Lead	2.30	+/-6	U	12.0	P	09/08/2025	12:18	LB137113
	Magnesium	244	+/-1000	U	2000	P	09/08/2025	12:18	LB137113
	Manganese	5.94	+/-10	U	20.0	P	09/08/2025	12:18	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	12:18	LB137113
	Potassium	918	+/-1000	U	2000	P	09/08/2025	12:18	LB137113
	Selenium	9.64	+/-10	U	20.0	P	09/08/2025	12:18	LB137113
	Silver	1.62	+/-5	U	10.0	P	09/08/2025	12:18	LB137113
	Sodium	868	+/-1000	U	2000	P	09/08/2025	12:18	LB137113
	Thallium	4.38	+/-20	U	40.0	P	09/08/2025	12:18	LB137113
	Vanadium	6.26	+/-20	U	40.0	P	09/08/2025	12:18	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	12:18	LB137113

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	09/08/2025	12:47	LB137113
	Antimony	6.76	+/-25	U	50.0	P	09/08/2025	12:47	LB137113
	Arsenic	5.12	+/-10	U	20.0	P	09/08/2025	12:47	LB137113
	Barium	14.6	+/-50	U	100	P	09/08/2025	12:47	LB137113
	Beryllium	0.56	+/-3	U	6.00	P	09/08/2025	12:47	LB137113
	Cadmium	0.50	+/-3	U	6.00	P	09/08/2025	12:47	LB137113
	Calcium	234	+/-1000	U	2000	P	09/08/2025	12:47	LB137113
	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	12:47	LB137113
	Cobalt	2.26	+/-15	U	30.0	P	09/08/2025	12:47	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	12:47	LB137113
	Iron	23.4	+/-50	U	100	P	09/08/2025	12:47	LB137113
	Lead	2.30	+/-6	U	12.0	P	09/08/2025	12:47	LB137113
	Magnesium	244	+/-1000	U	2000	P	09/08/2025	12:47	LB137113
	Manganese	6.65	+/-10	J	20.0	P	09/08/2025	12:47	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	12:47	LB137113
	Potassium	918	+/-1000	U	2000	P	09/08/2025	12:47	LB137113
	Selenium	9.64	+/-10	U	20.0	P	09/08/2025	12:47	LB137113
	Silver	1.62	+/-5	U	10.0	P	09/08/2025	12:47	LB137113
	Sodium	868	+/-1000	U	2000	P	09/08/2025	12:47	LB137113
	Thallium	4.38	+/-20	U	40.0	P	09/08/2025	12:47	LB137113
	Vanadium	6.26	+/-20	U	40.0	P	09/08/2025	12:47	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	12:47	LB137113
CCB02	Aluminum	11.3	+/-50	U	100	P	09/08/2025	13:40	LB137113
	Antimony	6.76	+/-25	U	50.0	P	09/08/2025	13:40	LB137113
	Arsenic	5.12	+/-10	U	20.0	P	09/08/2025	13:40	LB137113
	Barium	14.6	+/-50	U	100	P	09/08/2025	13:40	LB137113
	Beryllium	0.56	+/-3	U	6.00	P	09/08/2025	13:40	LB137113
	Cadmium	0.50	+/-3	U	6.00	P	09/08/2025	13:40	LB137113
	Calcium	234	+/-1000	U	2000	P	09/08/2025	13:40	LB137113
	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	13:40	LB137113
	Cobalt	2.26	+/-15	U	30.0	P	09/08/2025	13:40	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	13:40	LB137113
	Iron	23.4	+/-50	U	100	P	09/08/2025	13:40	LB137113
	Lead	2.30	+/-6	U	12.0	P	09/08/2025	13:40	LB137113
	Magnesium	244	+/-1000	U	2000	P	09/08/2025	13:40	LB137113
	Manganese	5.94	+/-10	U	20.0	P	09/08/2025	13:40	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	13:40	LB137113
	Potassium	918	+/-1000	U	2000	P	09/08/2025	13:40	LB137113
	Selenium	9.64	+/-10	U	20.0	P	09/08/2025	13:40	LB137113

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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	09/08/2025	13:40	LB137113
	Sodium	868	+/-1000	U	2000	P	09/08/2025	13:40	LB137113
	Thallium	4.38	+/-20	U	40.0	P	09/08/2025	13:40	LB137113
	Vanadium	6.26	+/-20	U	40.0	P	09/08/2025	13:40	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	13:40	LB137113
CCB03	Aluminum	11.3	+/-50	U	100	P	09/08/2025	14:54	LB137113
	Antimony	6.76	+/-25	U	50.0	P	09/08/2025	14:54	LB137113
	Arsenic	5.12	+/-10	U	20.0	P	09/08/2025	14:54	LB137113
	Barium	14.6	+/-50	U	100	P	09/08/2025	14:54	LB137113
	Beryllium	0.56	+/-3	U	6.00	P	09/08/2025	14:54	LB137113
	Cadmium	0.50	+/-3	U	6.00	P	09/08/2025	14:54	LB137113
	Calcium	234	+/-1000	U	2000	P	09/08/2025	14:54	LB137113
	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	14:54	LB137113
	Cobalt	2.26	+/-15	U	30.0	P	09/08/2025	14:54	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	14:54	LB137113
	Iron	23.4	+/-50	U	100	P	09/08/2025	14:54	LB137113
	Lead	2.30	+/-6	U	12.0	P	09/08/2025	14:54	LB137113
	Magnesium	244	+/-1000	U	2000	P	09/08/2025	14:54	LB137113
	Manganese	5.94	+/-10	U	20.0	P	09/08/2025	14:54	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	14:54	LB137113
	Potassium	918	+/-1000	U	2000	P	09/08/2025	14:54	LB137113
	Selenium	9.64	+/-10	U	20.0	P	09/08/2025	14:54	LB137113
	Silver	1.62	+/-5	U	10.0	P	09/08/2025	14:54	LB137113
	Sodium	868	+/-1000	U	2000	P	09/08/2025	14:54	LB137113
	Thallium	4.38	+/-20	U	40.0	P	09/08/2025	14:54	LB137113
	Vanadium	6.26	+/-20	U	40.0	P	09/08/2025	14:54	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	14:54	LB137113
CCB04	Aluminum	11.3	+/-50	U	100	P	09/08/2025	15:52	LB137113
	Antimony	6.76	+/-25	U	50.0	P	09/08/2025	15:52	LB137113
	Arsenic	5.12	+/-10	U	20.0	P	09/08/2025	15:52	LB137113
	Barium	14.6	+/-50	U	100	P	09/08/2025	15:52	LB137113
	Beryllium	0.56	+/-3	U	6.00	P	09/08/2025	15:52	LB137113
	Cadmium	0.50	+/-3	U	6.00	P	09/08/2025	15:52	LB137113
	Calcium	234	+/-1000	U	2000	P	09/08/2025	15:52	LB137113
	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	15:52	LB137113
	Cobalt	2.26	+/-15	U	30.0	P	09/08/2025	15:52	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	15:52	LB137113
	Iron	23.4	+/-50	U	100	P	09/08/2025	15:52	LB137113
	Lead	2.30	+/-6	U	12.0	P	09/08/2025	15:52	LB137113

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	09/08/2025	15:52	LB137113
	Manganese	5.94	+/-10	U	20.0	P	09/08/2025	15:52	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	15:52	LB137113
	Potassium	918	+/-1000	U	2000	P	09/08/2025	15:52	LB137113
	Selenium	9.64	+/-10	U	20.0	P	09/08/2025	15:52	LB137113
	Silver	1.62	+/-5	U	10.0	P	09/08/2025	15:52	LB137113
	Sodium	868	+/-1000	U	2000	P	09/08/2025	15:52	LB137113
	Thallium	4.38	+/-20	U	40.0	P	09/08/2025	15:52	LB137113
	Vanadium	6.26	+/-20	U	40.0	P	09/08/2025	15:52	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	15:52	LB137113
CCB05	Aluminum	11.3	+/-50	U	100	P	09/08/2025	16:17	LB137113
	Antimony	6.76	+/-25	U	50.0	P	09/08/2025	16:17	LB137113
	Arsenic	5.12	+/-10	U	20.0	P	09/08/2025	16:17	LB137113
	Barium	14.6	+/-50	U	100	P	09/08/2025	16:17	LB137113
	Beryllium	0.56	+/-3	U	6.00	P	09/08/2025	16:17	LB137113
	Cadmium	0.50	+/-3	U	6.00	P	09/08/2025	16:17	LB137113
	Calcium	234	+/-1000	U	2000	P	09/08/2025	16:17	LB137113
	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	16:17	LB137113
	Cobalt	2.26	+/-15	U	30.0	P	09/08/2025	16:17	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	16:17	LB137113
	Iron	23.4	+/-50	U	100	P	09/08/2025	16:17	LB137113
	Lead	2.30	+/-6	U	12.0	P	09/08/2025	16:17	LB137113
	Magnesium	244	+/-1000	U	2000	P	09/08/2025	16:17	LB137113
	Manganese	5.94	+/-10	U	20.0	P	09/08/2025	16:17	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	16:17	LB137113
	Potassium	918	+/-1000	U	2000	P	09/08/2025	16:17	LB137113
	Selenium	9.64	+/-10	U	20.0	P	09/08/2025	16:17	LB137113
	Silver	1.62	+/-5	U	10.0	P	09/08/2025	16:17	LB137113
	Sodium	868	+/-1000	U	2000	P	09/08/2025	16:17	LB137113
	Thallium	4.38	+/-20	U	40.0	P	09/08/2025	16:17	LB137113
	Vanadium	6.26	+/-20	U	40.0	P	09/08/2025	16:17	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	16:17	LB137113

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Metals
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PREPARATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169605BL		**SOLID**		**Batch Number:**	**PB169605**		**Prep Date:**	**09/08/2025**	
	Mercury	0.0070	<0.012	U	0.012	CV	09/08/2025	14:55	LB137106

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169595BL		**SOLID**		**Batch Number:**	**PB169595**		**Prep Date:**	**09/08/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	09/08/2025	15:19	LB137113
	Antimony	0.22	<1.25	U	2.50	P	09/08/2025	15:19	LB137113
	Arsenic	0.19	<0.5	U	1.00	P	09/08/2025	15:19	LB137113
	Barium	0.73	<2.5	U	5.00	P	09/08/2025	15:19	LB137113
	Beryllium	0.025	<0.15	U	0.30	P	09/08/2025	15:19	LB137113
	Cadmium	0.024	<0.15	U	0.30	P	09/08/2025	15:19	LB137113
	Calcium	11.1	<50	U	100	P	09/08/2025	15:19	LB137113
	Chromium	0.047	<0.25	U	0.50	P	09/08/2025	15:19	LB137113
	Cobalt	0.10	<0.75	U	1.50	P	09/08/2025	15:19	LB137113
	Copper	0.22	<0.5	U	1.00	P	09/08/2025	15:19	LB137113
	Iron	3.99	<2.5	U	5.00	P	09/08/2025	15:19	LB137113
	Lead	0.13	<0.3	U	0.60	P	09/08/2025	15:19	LB137113
	Magnesium	12.0	<50	U	100	P	09/08/2025	15:19	LB137113
	Manganese	0.14	<0.5	U	1.00	P	09/08/2025	15:19	LB137113
	Nickel	0.13	<1	U	2.00	P	09/08/2025	15:19	LB137113
	Potassium	31.6	<50	J	100	P	09/08/2025	15:19	LB137113
	Selenium	0.26	<0.5	U	1.00	P	09/08/2025	15:19	LB137113
	Silver	0.12	<0.25	U	0.50	P	09/08/2025	15:19	LB137113
	Sodium	20.9	<50	J	100	P	09/08/2025	15:19	LB137113
	Thallium	0.23	<1	U	2.00	P	09/08/2025	15:19	LB137113
	Vanadium	0.25	<1	U	2.00	P	09/08/2025	15:19	LB137113
	Zinc	0.23	<1	U	2.00	P	09/08/2025	15:19	LB137113

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	271000	255000	106	216000	294000	09/08/2025	12:27	LB137113
	Antimony	-0.56			-50	50	09/08/2025	12:27	LB137113
	Arsenic	4.76			-20	20	09/08/2025	12:27	LB137113
	Barium	1.03	6.0	17	-94	106	09/08/2025	12:27	LB137113
	Beryllium	1.57			-6	6	09/08/2025	12:27	LB137113
	Cadmium	1.53	1.0	153	-5	7	09/08/2025	12:27	LB137113
	Calcium	256000	245000	104	208000	282000	09/08/2025	12:27	LB137113
	Chromium	57.7	52.0	111	42	62	09/08/2025	12:27	LB137113
	Cobalt	2.10			-30	30	09/08/2025	12:27	LB137113
	Copper	-4.30	2.0	215	-18	22	09/08/2025	12:27	LB137113
	Iron	109000	101000	108	85600	116500	09/08/2025	12:27	LB137113
	Lead	3.33			-12	12	09/08/2025	12:27	LB137113
	Magnesium	271000	255000	106	216000	294000	09/08/2025	12:27	LB137113
	Manganese	0.25	7.0	4	-13	27	09/08/2025	12:27	LB137113
	Nickel	8.14	2.0	407	-38	42	09/08/2025	12:27	LB137113
	Potassium	315			0	0	09/08/2025	12:27	LB137113
	Selenium	7.91			-20	20	09/08/2025	12:27	LB137113
	Silver	2.40			-10	10	09/08/2025	12:27	LB137113
	Sodium	235			0	0	09/08/2025	12:27	LB137113
	Thallium	29.5			-40	40	09/08/2025	12:27	LB137113
	Vanadium	4.42			-40	40	09/08/2025	12:27	LB137113
	Zinc	4.18			-40	40	09/08/2025	12:27	LB137113
ICSAB01	Aluminum	250000	247000	101	209000	285000	09/08/2025	12:31	LB137113
	Antimony	603	618	98	525	711	09/08/2025	12:31	LB137113
	Arsenic	110	104	106	88.4	120	09/08/2025	12:31	LB137113
	Barium	488	537	91	437	637	09/08/2025	12:31	LB137113
	Beryllium	484	495	98	420	570	09/08/2025	12:31	LB137113
	Cadmium	986	972	101	826	1120	09/08/2025	12:31	LB137113
	Calcium	236000	235000	100	199000	271000	09/08/2025	12:31	LB137113
	Chromium	586	542	108	460	624	09/08/2025	12:31	LB137113
	Cobalt	495	476	104	404	548	09/08/2025	12:31	LB137113
	Copper	483	511	94	434	588	09/08/2025	12:31	LB137113
	Iron	101000	99300	102	84400	114500	09/08/2025	12:31	LB137113
	Lead	50.4	49.0	103	37	61	09/08/2025	12:31	LB137113
	Magnesium	250000	248000	101	210000	286000	09/08/2025	12:31	LB137113
	Manganese	481	507	95	430	584	09/08/2025	12:31	LB137113
	Nickel	986	954	103	810	1100	09/08/2025	12:31	LB137113
	Potassium	46.1			0	0	09/08/2025	12:31	LB137113
	Selenium	54.8	46.0	119	26	66	09/08/2025	12:31	LB137113
	Silver	213	201	106	170	232	09/08/2025	12:31	LB137113
	Sodium	299			0	0	09/08/2025	12:31	LB137113
	Thallium	109	108	101	68	148	09/08/2025	12:31	LB137113

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	480	491	98	417	565	09/08/2025	12:31	LB137113
	Zinc	1060	952	111	809	1095	09/08/2025	12:31	LB137113

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Zuccaro Inc. **level:** low **sdg no.:** Q3032

contract: ZUCC01 **lab code:** ACE

matrix: Solid **sample id:** Q3009-01 **client id:** TR-04-090325MS

Percent Solids for Sample: 96.8 **Spiked ID:** Q3009-01MS **Percent Solids for Spike Sample:** 96.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.22		0.013	U	0.27	81		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Zuccaro Inc. **level:** low **sdg no.:** Q3032

contract: ZUCC01 **lab code:** ACE

matrix: Solid **sample id:** Q3009-01 **client id:** TR-04-090325MSD

Percent Solids for Sample: 96.8 **Spiked ID:** Q3009-01MSD **Percent Solids for Spike Sample:** 96.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.23		0.013	U	0.27	84		CV

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Zuccaro Inc. **level:** low **sdg no.:** Q3032

contract: ZUCC01 **lab code:** ACE

matrix: Solid **sample id:** Q3032-04 **client id:** SOIL-PILE-2MS

Percent Solids for Sample: 83.2 **Spiked ID:** Q3032-04MS **Percent Solids for Spike Sample:** 83.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7480		7000		100	475		P
Antimony	mg/Kg	75 - 125	14.3		2.59	U	40.7	35	N	P
Arsenic	mg/Kg	75 - 125	34.6		4.40		40.7	74	N	P
Barium	mg/Kg	75 - 125	54.6		37.5		10.2	168	N	P
Beryllium	mg/Kg	75 - 125	7.65		0.59		10.2	69	N	P
Cadmium	mg/Kg	75 - 125	10.4		0.62		10.2	96		P
Calcium	mg/Kg	75 - 125	2610		2570		50.9	87		P
Chromium	mg/Kg	75 - 125	28.4		12.8		20.4	77		P
Cobalt	mg/Kg	75 - 125	18.3		7.81		10.2	103		P
Copper	mg/Kg	75 - 125	38.7		20.8		15.3	117		P
Iron	mg/Kg	75 - 125	15700		16700		150	-662		P
Lead	mg/Kg	75 - 125	135		64.6		50.9	138	N	P
Magnesium	mg/Kg	75 - 125	2480		2120		100	362		P
Manganese	mg/Kg	75 - 125	177		211		10.2	-336		P
Nickel	mg/Kg	75 - 125	37.6		12.8		25.5	97		P
Potassium	mg/Kg	75 - 125	1000		552		510	88		P
Selenium	mg/Kg	75 - 125	71.8		1.04	U	100	72	N	P
Silver	mg/Kg	75 - 125	3.38		0.47	J	3.8	77		P
Sodium	mg/Kg	75 - 125	642		383		150	173	N	P
Thallium	mg/Kg	75 - 125	83.8		2.07	U	100	84		P
Vanadium	mg/Kg	75 - 125	37.8		24.3		15.3	88		P
Zinc	mg/Kg	75 - 125	108		72.2		10.2	352		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Zuccaro Inc. **level:** low **sdg no.:** Q3032

contract: ZUCC01 **lab code:** ACE

matrix: Solid **sample id:** Q3032-04 **client id:** SOIL-PILE-2MSD

Percent Solids for Sample: 83.2 **Spiked ID:** Q3032-04MSD **Percent Solids for Spike Sample:** 83.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7930		7000		110	840		P
Antimony	mg/Kg	75 - 125	13.7		2.59	U	42.4	32	N	P
Arsenic	mg/Kg	75 - 125	35.5		4.40		42.4	73	N	P
Barium	mg/Kg	75 - 125	56.2		37.5		10.6	176	N	P
Beryllium	mg/Kg	75 - 125	7.67		0.59		10.6	67	N	P
Cadmium	mg/Kg	75 - 125	10.9		0.62		10.6	97		P
Calcium	mg/Kg	75 - 125	3060		2570		52.9	934		P
Chromium	mg/Kg	75 - 125	30.2		12.8		21.2	82		P
Cobalt	mg/Kg	75 - 125	19.4		7.81		10.6	109		P
Copper	mg/Kg	75 - 125	36.8		20.8		15.9	101		P
Iron	mg/Kg	75 - 125	18000		16700		160	812		P
Lead	mg/Kg	75 - 125	146		64.6		52.9	154	N	P
Magnesium	mg/Kg	75 - 125	2620		2120		110	451		P
Manganese	mg/Kg	75 - 125	241		211		10.6	284		P
Nickel	mg/Kg	75 - 125	40.5		12.8		26.5	104		P
Potassium	mg/Kg	75 - 125	1160		552		530	114		P
Selenium	mg/Kg	75 - 125	72.4		1.04	U	110	66	N	P
Silver	mg/Kg	75 - 125	3.57		0.47	J	4.0	78		P
Sodium	mg/Kg	75 - 125	589		383		160	129	N	P
Thallium	mg/Kg	75 - 125	84.7		2.07	U	110	77		P
Vanadium	mg/Kg	75 - 125	37.9		24.3		15.9	86		P
Zinc	mg/Kg	75 - 125	106		72.2		10.6	317		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** SOIL-PILE-2A

Sample ID: Q3032-04 **Spiked ID:** Q3032-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	31.3		2.59	U	41.4	76		P
Arsenic	mg/Kg	75 - 125	36.0		4.40		41.4	76		P
Barium	mg/Kg	75 - 125	45.3		37.5		10.4	75		P
Beryllium	mg/Kg	75 - 125	7.87		0.59		10.4	70	N	P
Lead	mg/Kg	75 - 125	108		64.6		51.8	84		P
Selenium	mg/Kg	75 - 125	76.0		1.04	U	100	76		P
Sodium	mg/Kg	75 - 125	496		383		160	71	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Zuccaro Inc. **Level:** LOW **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3009-01 **Client ID:** TR-04-090325DUP

Percent Solids for Sample: 96.8 **Duplicate ID** Q3009-01DUP **Percent Solids for Spike Sample:** 96.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.013	U	0.013	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Zuccaro Inc. **Level:** LOW **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3009-01MS **Client ID:** TR-04-090325MSD

Percent Solids for Sample: 96.8 **Duplicate ID** Q3009-01MSD **Percent Solids for Spike Sample:** 96.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.22		0.23		4		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Zuccaro Inc. **Level:** LOW **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3032-04 **Client ID:** SOIL-PILE-2DUP

Percent Solids for Sample: 83.2 **Duplicate ID** Q3032-04DUP **Percent Solids for Spike Sample:** 83.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7000		6390		9		P
Antimony	mg/Kg	20	2.59	U	2.78	U			P
Arsenic	mg/Kg	20	4.40		4.46		1		P
Barium	mg/Kg	20	37.5		37.8		1		P
Beryllium	mg/Kg	20	0.59		0.53		10		P
Cadmium	mg/Kg	20	0.62		0.65		4		P
Calcium	mg/Kg	20	2570		2480		4		P
Chromium	mg/Kg	20	12.8		12.7		1		P
Cobalt	mg/Kg	20	7.81		7.27		7		P
Copper	mg/Kg	20	20.8		22.2		7		P
Iron	mg/Kg	20	16700		15300		9		P
Lead	mg/Kg	20	64.6		77.9		19		P
Magnesium	mg/Kg	20	2120		2150		1		P
Manganese	mg/Kg	20	211		189		11		P
Nickel	mg/Kg	20	12.8		12.5		2		P
Potassium	mg/Kg	20	552		569		3		P
Selenium	mg/Kg	20	1.04	U	1.11	U			P
Silver	mg/Kg	20	0.47	J	0.45	J	4		P
Sodium	mg/Kg	20	383		385		1		P
Thallium	mg/Kg	20	2.07	U	2.23	U			P
Vanadium	mg/Kg	20	24.3		23.5		3		P
Zinc	mg/Kg	20	72.2		86.5		18		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Zuccaro Inc. **Level:** LOW **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3032-04MS **Client ID:** SOIL-PILE-2MSD

Percent Solids for Sample: 83.2 **Duplicate ID** Q3032-04MSD **Percent Solids for Spike Sample:** 83.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7480		7930		6		P
Antimony	mg/Kg	20	14.3		13.7		4		P
Arsenic	mg/Kg	20	34.6		35.5		3		P
Barium	mg/Kg	20	54.6		56.2		3		P
Beryllium	mg/Kg	20	7.65		7.67		0		P
Cadmium	mg/Kg	20	10.4		10.9		5		P
Calcium	mg/Kg	20	2610		3060		16		P
Chromium	mg/Kg	20	28.4		30.2		6		P
Cobalt	mg/Kg	20	18.3		19.4		6		P
Copper	mg/Kg	20	38.7		36.8		5		P
Iron	mg/Kg	20	15700		18000		14		P
Lead	mg/Kg	20	135		146		8		P
Magnesium	mg/Kg	20	2480		2620		5		P
Manganese	mg/Kg	20	177		241		31	*	P
Nickel	mg/Kg	20	37.6		40.5		7		P
Potassium	mg/Kg	20	1000		1160		15		P
Selenium	mg/Kg	20	71.8		72.4		1		P
Silver	mg/Kg	20	3.38		3.57		5		P
Sodium	mg/Kg	20	642		589		9		P
Thallium	mg/Kg	20	83.8		84.7		1		P
Vanadium	mg/Kg	20	37.8		37.9		0		P
Zinc	mg/Kg	20	108		106		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169595BS							
Aluminum	mg/Kg	100	95.9		96	80 - 120	P
Antimony	mg/Kg	40.0	38.6		96	80 - 120	P
Arsenic	mg/Kg	40.0	38.1		95	80 - 120	P
Barium	mg/Kg	10.0	9.15		92	80 - 120	P
Beryllium	mg/Kg	10.0	9.51		95	80 - 120	P
Cadmium	mg/Kg	10.0	9.33		93	80 - 120	P
Calcium	mg/Kg	50.0	48.3	J	97	80 - 120	P
Chromium	mg/Kg	20.0	19.3		96	80 - 120	P
Cobalt	mg/Kg	10.0	9.44		94	80 - 120	P
Copper	mg/Kg	15.0	14.9		99	80 - 120	P
Iron	mg/Kg	150	143		95	80 - 120	P
Lead	mg/Kg	50.0	46.0		92	80 - 120	P
Magnesium	mg/Kg	100	94.3	J	94	80 - 120	P
Manganese	mg/Kg	10.0	9.46		95	80 - 120	P
Nickel	mg/Kg	25.0	23.5		94	80 - 120	P
Potassium	mg/Kg	500	487		97	80 - 120	P
Selenium	mg/Kg	100	97.7		98	80 - 120	P
Silver	mg/Kg	3.8	3.58		94	80 - 120	P
Sodium	mg/Kg	150	154		103	80 - 120	P
Thallium	mg/Kg	100	94.4		94	80 - 120	P
Vanadium	mg/Kg	15.0	14.3		95	80 - 120	P
Zinc	mg/Kg	10.0	9.91		99	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169605BS							
Mercury	mg/Kg	0.25	0.23		92	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TR-04-090325L

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **Lb No.:** lb137106 **Lab Sample ID :** Q3009-01L **SDG No.:** Q3032

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.013	U	0.063	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

SOIL-PILE-2L

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **Lb No.:** lb137113 **Lab Sample ID :** Q3032-04L **SDG No.:** Q3032

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	7000		8490		21		P
Antimony	2.59	U	13.0	U			P
Arsenic	4.40		5.21		18		P
Barium	37.5		44.9		20		P
Beryllium	0.59		0.76	J	29		P
Cadmium	0.62		0.33	J	47		P
Calcium	2570		3200		25		P
Chromium	12.8		15.5		21		P
Cobalt	7.81		7.79		0		P
Copper	20.8		26.6		28		P
Iron	16700		19500		16		P
Lead	64.6		67.2		4		P
Magnesium	2120		2640		24		P
Manganese	211		266		26		P
Nickel	12.8		13.0		1		P
Potassium	552		673		22		P
Selenium	1.04	U	5.18	U			P
Silver	0.47	J	2.59	U	100.0		P
Sodium	383		480	J	25		P
Thallium	2.07	U	10.4	U			P
Vanadium	24.3		29.0		19		P
Zinc	72.2		87.0		20		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169595**						
PB169595BL	PB169595BL	MB	SOLID	09/08/2025	2.00	100.0	100.00
PB169595BS	PB169595BS	LCS	SOLID	09/08/2025	2.00	100.0	100.00
Q3032-01	SOIL-PILE-1	SAM	SOLID	09/08/2025	2.36	100.0	83.10
Q3032-04	SOIL-PILE-2	SAM	SOLID	09/08/2025	2.32	100.0	83.20
Q3032-04DUP	SOIL-PILE-2DUP	DUP	SOLID	09/08/2025	2.16	100.0	83.20
Q3032-04MS	SOIL-PILE-2MS	MS	SOLID	09/08/2025	2.36	100.0	83.20
Q3032-04MSD	SOIL-PILE-2MSD	MSD	SOLID	09/08/2025	2.27	100.0	83.20

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169605**						
PB169605BL	PB169605BL	MB	SOLID	09/08/2025	0.57	35.0	100.00
PB169605BS	PB169605BS	LCS	SOLID	09/08/2025	0.55	35.0	100.00
Q3009-01DUP	TR-04-090325DUP	DUP	SOLID	09/08/2025	0.55	35.0	96.80
Q3009-01MS	TR-04-090325MS	MS	SOLID	09/08/2025	0.53	35.0	96.80
Q3009-01MSD	TR-04-090325MSD	MSD	SOLID	09/08/2025	0.54	35.0	96.80
Q3032-01	SOIL-PILE-1	SAM	SOLID	09/08/2025	0.57	35.0	83.10
Q3032-04	SOIL-PILE-2	SAM	SOLID	09/08/2025	0.54	35.0	83.20

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metals
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ANALYSIS RUN LOG

Client: Zuccaro Inc. **Contract:** ZUCC01

Lab code: ACE **Sdg no.:** Q3032

Instrument id number: **Method:** **Run number:** LB137106

Start date: 09/08/2025 **End date:** 09/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1414	HG
S0.2	S0.2	1	1416	HG
S2.5	S2.5	1	1418	HG
S5	S5	1	1420	HG
S7.5	S7.5	1	1423	HG
S10	S10	1	1425	HG
ICV22	ICV22	1	1434	HG
ICB22	ICB22	1	1436	HG
CCV63	CCV63	1	1438	HG
CCB63	CCB63	1	1443	HG
CRA	CRA	1	1446	HG
PB169605BL	PB169605BL	1	1455	HG
PB169605BS	PB169605BS	1	1458	HG
Q3009-01DUP	TR-04-090325DUP	1	1502	HG
Q3009-01MS	TR-04-090325MS	1	1505	HG
Q3009-01MSD	TR-04-090325MSD	1	1507	HG
CCV64	CCV64	1	1512	HG
CCB64	CCB64	1	1514	HG
Q3032-01	SOIL-PILE-1	1	1532	HG
Q3032-04	SOIL-PILE-2	1	1535	HG
Q3009-01L	TR-04-090325L	5	1537	HG
CCV65	CCV65	1	1539	HG
CCB65	CCB65	1	1541	HG
CCV66	CCV66	1	1556	HG
CCB66	CCB66	1	1558	HG

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metals
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ANALYSIS RUN LOG

Client: Zuccaro Inc. **Contract:** ZUCC01

Lab code: ACE **Sdg no.:** Q3032

Instrument id number: **Method:** **Run number:** LB137113

Start date: 09/08/2025 **End date:** 09/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1143	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1151	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1155	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1159	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1208	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1214	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1218	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1222	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1227	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1231	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1243	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1247	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1336	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1442	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1454	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169595BL	PB169595BL	1	1519	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169595BS	PB169595BS	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3032-01	SOIL-PILE-1	1	1532	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3032-04	SOIL-PILE-2	1	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3032-04DUP	SOIL-PILE-2DUP	1	1540	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1552	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3032-04L	SOIL-PILE-2L	5	1557	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3032-04MS	SOIL-PILE-2MS	1	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3032-04MSD	SOIL-PILE-2MSD	1	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3032-04A	SOIL-PILE-2A	1	1609	As,Ba,Be,Na,Pb,Sb,Se
CCV05	CCV05	1	1613	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1617	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25**			**09/05/25**
			Mercury	7471B		09/08/25	09/08/25	
			Metals ICP-TAL	6010D		09/08/25	09/08/25	
Q3032-02	**SOIL-PILE-1**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP ICP Metals	6010D		09/09/25	09/09/25	
			TCLP Mercury	7470A		09/09/25	09/10/25	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25**			**09/05/25**
			Mercury	7471B		09/08/25	09/08/25	
			Metals ICP-TAL	6010D		09/08/25	09/08/25	
Q3032-05	**SOIL-PILE-2**	**TCLP**			**09/05/25**			**09/05/25**
			TCLP ICP Metals	6010D		09/09/25	09/09/25	
			TCLP Mercury	7470A		09/09/25	09/10/25	

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Hit Summary Sheet
SW-846

SDG No.:	Q3032	**Order ID:**	Q3032
Client:	Zuccaro Inc.	**Project ID:**	3 Coal Ave., Morristown, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SOIL-PILE-1								
Q3032-02	SOIL-PILE-1	TCLP	Barium	547		72.8	500	ug/L
Client ID : SOIL-PILE-2								
Q3032-05	SOIL-PILE-2	TCLP	Barium	818		72.8	500	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-02	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	09/09/25 12:30	09/09/25 14:32	6010D	SW3050
7440-39-3	Barium	547	*	1	72.8	500	ug/L	09/09/25 12:30	09/09/25 14:32	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	09/09/25 12:30	09/09/25 14:32	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	09/09/25 12:30	09/09/25 14:32	6010D	SW3050
7439-92-1	Lead	11.5	U	1	11.5	60.0	ug/L	09/09/25 12:30	09/09/25 14:32	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	09/09/25 10:15	09/10/25 10:51	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	09/09/25 12:30	09/09/25 14:32	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	09/09/25 12:30	09/09/25 14:32	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-05	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	09/09/25 12:30	09/09/25 14:36	6010D	SW3050
7440-39-3	Barium	818	*	1	72.8	500	ug/L	09/09/25 12:30	09/09/25 14:36	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	09/09/25 12:30	09/09/25 14:36	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	09/09/25 12:30	09/09/25 14:36	6010D	SW3050
7439-92-1	Lead	11.5	U	1	11.5	60.0	ug/L	09/09/25 12:30	09/09/25 14:36	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	09/09/25 10:15	09/10/25 10:53	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	09/09/25 12:30	09/09/25 14:36	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	09/09/25 12:30	09/09/25 14:36	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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

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

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV24	Mercury	4.31	4.0	108	90 - 110	CV	09/10/2025	09:48	LB137126

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV70	Mercury	5.13	5.0	103	90 - 110	CV	09/10/2025	10:03	LB137126
CCV71	Mercury	4.80	5.0	96	90 - 110	CV	09/10/2025	11:05	LB137126
CCV72	Mercury	4.64	5.0	93	90 - 110	CV	09/10/2025	12:14	LB137126
CCV73	Mercury	4.73	5.0	94	90 - 110	CV	09/10/2025	13:20	LB137126

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	4030	4000	101	90 - 110	P	09/09/2025	12:14	LB137122
	Barium	7780	8000	97	90 - 110	P	09/09/2025	12:14	LB137122
	Cadmium	1990	2000	100	90 - 110	P	09/09/2025	12:14	LB137122
	Chromium	813	800	102	90 - 110	P	09/09/2025	12:14	LB137122
	Lead	3910	4000	98	90 - 110	P	09/09/2025	12:14	LB137122
	Selenium	4060	4000	102	90 - 110	P	09/09/2025	12:14	LB137122
	Silver	1020	1000	102	90 - 110	P	09/09/2025	12:14	LB137122

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc.

SDG No.: Q3032

Contract: ZUCC01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	17.8	20.0	89	80 - 120	P	09/09/2025	12:26	LB137122
	Barium	90.1	100	90	80 - 120	P	09/09/2025	12:26	LB137122
	Cadmium	5.68	6.0	95	80 - 120	P	09/09/2025	12:26	LB137122
	Chromium	9.24	10.0	92	80 - 120	P	09/09/2025	12:26	LB137122
	Lead	11.1	12.0	92	80 - 120	P	09/09/2025	12:26	LB137122
	Selenium	19.7	20.0	98	80 - 120	P	09/09/2025	12:26	LB137122
	Silver	9.91	10.0	99	80 - 120	P	09/09/2025	12:26	LB137122

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4880	5000	98	90 - 110	P	09/09/2025	12:59	LB137122
	Barium	9860	10000	99	90 - 110	P	09/09/2025	12:59	LB137122
	Cadmium	2440	2500	98	90 - 110	P	09/09/2025	12:59	LB137122
	Chromium	1000	1000	100	90 - 110	P	09/09/2025	12:59	LB137122
	Lead	4900	5000	98	90 - 110	P	09/09/2025	12:59	LB137122
	Selenium	4890	5000	98	90 - 110	P	09/09/2025	12:59	LB137122
	Silver	1250	1250	100	90 - 110	P	09/09/2025	12:59	LB137122
CCV02	Arsenic	4700	5000	94	90 - 110	P	09/09/2025	14:14	LB137122
	Barium	9680	10000	97	90 - 110	P	09/09/2025	14:14	LB137122
	Cadmium	2330	2500	93	90 - 110	P	09/09/2025	14:14	LB137122
	Chromium	954	1000	95	90 - 110	P	09/09/2025	14:14	LB137122
	Lead	4650	5000	93	90 - 110	P	09/09/2025	14:14	LB137122
	Selenium	4700	5000	94	90 - 110	P	09/09/2025	14:14	LB137122
	Silver	1190	1250	96	90 - 110	P	09/09/2025	14:14	LB137122
CCV03	Arsenic	4750	5000	95	90 - 110	P	09/09/2025	15:11	LB137122
	Barium	9520	10000	95	90 - 110	P	09/09/2025	15:11	LB137122
	Cadmium	2330	2500	93	90 - 110	P	09/09/2025	15:11	LB137122
	Chromium	940	1000	94	90 - 110	P	09/09/2025	15:11	LB137122
	Lead	4630	5000	93	90 - 110	P	09/09/2025	15:11	LB137122
	Selenium	4780	5000	96	90 - 110	P	09/09/2025	15:11	LB137122
	Silver	1190	1250	95	90 - 110	P	09/09/2025	15:11	LB137122
CCV04	Arsenic	4750	5000	95	90 - 110	P	09/09/2025	16:24	LB137122
	Barium	9410	10000	94	90 - 110	P	09/09/2025	16:24	LB137122
	Cadmium	2350	2500	94	90 - 110	P	09/09/2025	16:24	LB137122
	Chromium	941	1000	94	90 - 110	P	09/09/2025	16:24	LB137122
	Lead	4670	5000	93	90 - 110	P	09/09/2025	16:24	LB137122
	Selenium	4770	5000	95	90 - 110	P	09/09/2025	16:24	LB137122
	Silver	1180	1250	94	90 - 110	P	09/09/2025	16:24	LB137122
CCV05	Arsenic	4890	5000	98	90 - 110	P	09/09/2025	17:13	LB137122
	Barium	9660	10000	97	90 - 110	P	09/09/2025	17:13	LB137122
	Cadmium	2400	2500	96	90 - 110	P	09/09/2025	17:13	LB137122
	Chromium	968	1000	97	90 - 110	P	09/09/2025	17:13	LB137122
	Lead	4780	5000	96	90 - 110	P	09/09/2025	17:13	LB137122
	Selenium	4910	5000	98	90 - 110	P	09/09/2025	17:13	LB137122

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1210	1250	97	90 - 110	P	09/09/2025	17:13	LB137122
CCV06	Arsenic	4850	5000	97	90 - 110	P	09/09/2025	17:46	LB137122
	Barium	9720	10000	97	90 - 110	P	09/09/2025	17:46	LB137122
	Cadmium	2410	2500	96	90 - 110	P	09/09/2025	17:46	LB137122
	Chromium	977	1000	98	90 - 110	P	09/09/2025	17:46	LB137122
	Lead	4800	5000	96	90 - 110	P	09/09/2025	17:46	LB137122
	Selenium	4860	5000	97	90 - 110	P	09/09/2025	17:46	LB137122
	Silver	1220	1250	98	90 - 110	P	09/09/2025	17:46	LB137122

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	16.4	20.0	82	65 - 135	P	09/09/2025	12:36	LB137122
	Barium	92.2	100	92	65 - 135	P	09/09/2025	12:36	LB137122
	Cadmium	5.53	6.0	92	65 - 135	P	09/09/2025	12:36	LB137122
	Chromium	9.50	10.0	95	65 - 135	P	09/09/2025	12:36	LB137122
	Lead	9.44	12.0	79	65 - 135	P	09/09/2025	12:36	LB137122
	Selenium	19.9	20.0	100	65 - 135	P	09/09/2025	12:36	LB137122
	Silver	9.64	10.0	96	65 - 135	P	09/09/2025	12:36	LB137122
CRA	Mercury	0.21	0.2	107	70 - 130	CV	09/10/2025	10:24	LB137126

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB24	Mercury	0.076	+/-0.2	U	0.20	CV	09/10/2025	09:56	LB137126

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB70	Mercury	0.076	+/-0.2	U	0.20	CV	09/10/2025	10:09	LB137126
CCB71	Mercury	0.076	+/-0.2	U	0.20	CV	09/10/2025	11:07	LB137126
CCB72	Mercury	0.076	+/-0.2	U	0.20	CV	09/10/2025	12:31	LB137126
CCB73	Mercury	0.076	+/-0.2	U	0.20	CV	09/10/2025	13:26	LB137126

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	09/09/2025	12:31	LB137122
	Barium	14.6	+/-50	U	100	P	09/09/2025	12:31	LB137122
	Cadmium	0.50	+/-3	U	6.00	P	09/09/2025	12:31	LB137122
	Chromium	2.12	+/-5	U	10.0	P	09/09/2025	12:31	LB137122
	Lead	2.30	+/-6	U	12.0	P	09/09/2025	12:31	LB137122
	Selenium	9.64	+/-10	U	20.0	P	09/09/2025	12:31	LB137122
	Silver	1.62	+/-5	U	10.0	P	09/09/2025	12:31	LB137122

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	09/09/2025	13:26	LB137122
	Barium	14.6	+/-50	U	100	P	09/09/2025	13:26	LB137122
	Cadmium	0.50	+/-3	U	6.00	P	09/09/2025	13:26	LB137122
	Chromium	2.12	+/-5	U	10.0	P	09/09/2025	13:26	LB137122
	Lead	2.30	+/-6	U	12.0	P	09/09/2025	13:26	LB137122
	Selenium	9.64	+/-10	U	20.0	P	09/09/2025	13:26	LB137122
	Silver	1.62	+/-5	U	10.0	P	09/09/2025	13:26	LB137122
CCB02	Arsenic	5.12	+/-10	U	20.0	P	09/09/2025	14:19	LB137122
	Barium	14.6	+/-50	U	100	P	09/09/2025	14:19	LB137122
	Cadmium	0.50	+/-3	U	6.00	P	09/09/2025	14:19	LB137122
	Chromium	2.12	+/-5	U	10.0	P	09/09/2025	14:19	LB137122
	Lead	2.30	+/-6	U	12.0	P	09/09/2025	14:19	LB137122
	Selenium	9.64	+/-10	U	20.0	P	09/09/2025	14:19	LB137122
	Silver	1.62	+/-5	U	10.0	P	09/09/2025	14:19	LB137122
CCB03	Arsenic	5.12	+/-10	U	20.0	P	09/09/2025	15:25	LB137122
	Barium	14.6	+/-50	U	100	P	09/09/2025	15:25	LB137122
	Cadmium	0.50	+/-3	U	6.00	P	09/09/2025	15:25	LB137122
	Chromium	2.12	+/-5	U	10.0	P	09/09/2025	15:25	LB137122
	Lead	2.30	+/-6	U	12.0	P	09/09/2025	15:25	LB137122
	Selenium	9.64	+/-10	U	20.0	P	09/09/2025	15:25	LB137122
	Silver	1.62	+/-5	U	10.0	P	09/09/2025	15:25	LB137122
CCB04	Arsenic	5.12	+/-10	U	20.0	P	09/09/2025	16:28	LB137122
	Barium	14.6	+/-50	U	100	P	09/09/2025	16:28	LB137122
	Cadmium	0.50	+/-3	U	6.00	P	09/09/2025	16:28	LB137122
	Chromium	2.12	+/-5	U	10.0	P	09/09/2025	16:28	LB137122
	Lead	2.30	+/-6	U	12.0	P	09/09/2025	16:28	LB137122
	Selenium	9.64	+/-10	U	20.0	P	09/09/2025	16:28	LB137122
	Silver	1.62	+/-5	U	10.0	P	09/09/2025	16:28	LB137122
CCB05	Arsenic	5.12	+/-10	U	20.0	P	09/09/2025	17:17	LB137122
	Barium	14.6	+/-50	U	100	P	09/09/2025	17:17	LB137122
	Cadmium	0.50	+/-3	U	6.00	P	09/09/2025	17:17	LB137122
	Chromium	2.12	+/-5	U	10.0	P	09/09/2025	17:17	LB137122
	Lead	2.30	+/-6	U	12.0	P	09/09/2025	17:17	LB137122
	Selenium	9.64	+/-10	U	20.0	P	09/09/2025	17:17	LB137122
	Silver	1.62	+/-5	U	10.0	P	09/09/2025	17:17	LB137122
CCB06	Arsenic	5.12	+/-10	U	20.0	P	09/09/2025	17:50	LB137122
	Barium	14.6	+/-50	U	100	P	09/09/2025	17:50	LB137122
	Cadmium	0.50	+/-3	U	6.00	P	09/09/2025	17:50	LB137122
	Chromium	2.12	+/-5	U	10.0	P	09/09/2025	17:50	LB137122

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	09/09/2025	17:50	LB137122
	Selenium	9.64	+/-10	U	20.0	P	09/09/2025	17:50	LB137122
	Silver	1.62	+/-5	U	10.0	P	09/09/2025	17:50	LB137122

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169589TB		**WATER**		**Batch Number:**	**PB169614**		**Prep Date:**	**09/09/2025**	
	Mercury	0.76	<2	U	2.00	CV	09/10/2025	13:03	LB137126

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169614BL		**WATER**		**Batch Number:**	**PB169614**		**Prep Date:**	**09/09/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	09/10/2025	10:41	LB137126

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169589TB		**WATER**		**Batch Number:**	**PB169617**		**Prep Date:**	**09/09/2025**	
	Arsenic	25.6	<50	U	100	P	09/09/2025	15:58	LB137122
	Barium	72.8	<250	U	500	P	09/09/2025	15:58	LB137122
	Cadmium	2.50	<15	U	30.0	P	09/09/2025	15:58	LB137122
	Chromium	10.6	<25	U	50.0	P	09/09/2025	15:58	LB137122
	Lead	11.5	<30	U	60.0	P	09/09/2025	15:58	LB137122
	Selenium	48.2	<50	U	100	P	09/09/2025	15:58	LB137122
	Silver	8.10	<25	U	50.0	P	09/09/2025	15:58	LB137122

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169617BL		**WATER**		**Batch Number:**	**PB169617**		**Prep Date:**	**09/09/2025**	
	Arsenic	25.6	<50	U	100	P	09/09/2025	16:03	LB137122
	Barium	72.8	<250	U	500	P	09/09/2025	16:03	LB137122
	Cadmium	2.50	<15	U	30.0	P	09/09/2025	16:03	LB137122
	Chromium	10.6	<25	U	50.0	P	09/09/2025	16:03	LB137122
	Lead	11.5	<30	U	60.0	P	09/09/2025	16:03	LB137122
	Selenium	48.2	<50	U	100	P	09/09/2025	16:03	LB137122
	Silver	8.10	<25	U	50.0	P	09/09/2025	16:03	LB137122

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	-0.30			-20	20	09/09/2025	12:42	LB137122
	Barium	-8.71	6.0	145	-94	106	09/09/2025	12:42	LB137122
	Cadmium	-1.23	1.0	123	-5	7	09/09/2025	12:42	LB137122
	Chromium	50.6	52.0	97	42	62	09/09/2025	12:42	LB137122
	Lead	-3.71			-12	12	09/09/2025	12:42	LB137122
	Selenium	4.10			-20	20	09/09/2025	12:42	LB137122
	Silver	0.80			-10	10	09/09/2025	12:42	LB137122
ICSAB01	Arsenic	107	104	103	88.4	120	09/09/2025	12:46	LB137122
	Barium	496	537	92	437	637	09/09/2025	12:46	LB137122
	Cadmium	1010	972	104	826	1120	09/09/2025	12:46	LB137122
	Chromium	606	542	112	460	624	09/09/2025	12:46	LB137122
	Lead	44.4	49.0	91	37	61	09/09/2025	12:46	LB137122
	Selenium	56.1	46.0	122	26	66	09/09/2025	12:46	LB137122
	Silver	221	201	110	170	232	09/09/2025	12:46	LB137122

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Zuccaro Inc. **level:** low **sdg no.:** Q3032

contract: ZUCC01 **lab code:** ACE

matrix: Water **sample id:** Q3051-02 **client id:** VNJ-223MS

Percent Solids for Sample: NA **Spiked ID:** Q3051-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3750		100	U	4000	94		P
Barium	ug/L	75 - 125	1160		204	J	1000	96		P
Cadmium	ug/L	75 - 125	887		30.0	U	1000	89		P
Chromium	ug/L	75 - 125	1850		50.0	U	2000	92		P
Lead	ug/L	75 - 125	4280		60.0	U	5000	86		P
Mercury	ug/L	75 - 125	45.0		2.00	U	40.0	112		CV
Selenium	ug/L	75 - 125	9480		100	U	10000	95		P
Silver	ug/L	75 - 125	327		50.0	U	380	86		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Zuccaro Inc. **level:** low **sdg no.:** Q3032

contract: ZUCC01 **lab code:** ACE

matrix: Water **sample id:** Q3051-02 **client id:** VNJ-223MSD

Percent Solids for Sample: NA **Spiked ID:** Q3051-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3910		100	U	4000	98		P
Barium	ug/L	75 - 125	1430		204	J	1000	123		P
Cadmium	ug/L	75 - 125	917		30.0	U	1000	92		P
Chromium	ug/L	75 - 125	1910		50.0	U	2000	96		P
Lead	ug/L	75 - 125	4390		60.0	U	5000	88		P
Mercury	ug/L	75 - 125	39.9		2.00	U	40.0	100		CV
Selenium	ug/L	75 - 125	9960		100	U	10000	100		P
Silver	ug/L	75 - 125	336		50.0	U	380	88		P

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Metals
- 5b -

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Zuccaro Inc. **Level:** LOW **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3051-02 **Client ID:** VNJ-223DUP

Percent Solids for Sample: NA **Duplicate ID** Q3051-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	204	J	175	J	15		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Zuccaro Inc. **Level:** LOW **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3051-02MS **Client ID:** VNJ-223MSD

Percent Solids for Sample: NA **Duplicate ID** Q3051-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3750		3910		4		P
Barium	ug/L	20	1160		1430		21	*	P
Cadmium	ug/L	20	887		917		3		P
Chromium	ug/L	20	1850		1910		3		P
Lead	ug/L	20	4280		4390		3		P
Mercury	ug/L	20	45.0		39.9		12		CV
Selenium	ug/L	20	9480		9960		5		P
Silver	ug/L	20	327		336		3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Zuccaro Inc.
SDG No.: Q3032
Contract: ZUCC01
Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169614BS							
Mercury	ug/L	4.0	4.48		112	80 - 120	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169617BS							
Arsenic	ug/L	4000	3810		95	80 - 120	P
Barium	ug/L	1000	887		89	80 - 120	P
Cadmium	ug/L	1000	932		93	80 - 120	P
Chromium	ug/L	2000	1950		98	80 - 120	P
Lead	ug/L	5000	4690		94	80 - 120	P
Selenium	ug/L	10000	9720		97	80 - 120	P
Silver	ug/L	380	361		95	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-223L

Lab Name: Alliance **Contract:** ZUCC01

Lab Code: ACE **Lb No.:** lb137122 **Lab Sample ID :** Q3051-02L **SDG No.:** Q3032

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	204	J	2500	U	100.0		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	60.0	U	300	U			P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169614**						
PB169589TB	PB169589TB	MB	WATER	09/09/2025	3.0	30.0	
PB169614BL	PB169614BL	MB	WATER	09/09/2025	30.0	30.0	
PB169614BS	PB169614BS	LCS	WATER	09/09/2025	30.0	30.0	
Q3032-02	SOIL-PILE-1	SAM	WATER	09/09/2025	3.0	30.0	
Q3032-05	SOIL-PILE-2	SAM	WATER	09/09/2025	3.0	30.0	
Q3051-02DUP	VNJ-223DUP	DUP	WATER	09/09/2025	3.0	30.0	
Q3051-02MS	VNJ-223MS	MS	WATER	09/09/2025	3.0	30.0	
Q3051-02MSD	VNJ-223MSD	MSD	WATER	09/09/2025	3.0	30.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Zuccaro Inc. **SDG No.:** Q3032

Contract: ZUCC01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169617**						
PB169589TB	PB169589TB	MB	WATER	09/09/2025	5.0	25.0	
PB169617BL	PB169617BL	MB	WATER	09/09/2025	5.0	25.0	
PB169617BS	PB169617BS	LCS	WATER	09/09/2025	5.0	25.0	
Q3032-02	SOIL-PILE-1	SAM	WATER	09/09/2025	5.0	25.0	
Q3032-05	SOIL-PILE-2	SAM	WATER	09/09/2025	5.0	25.0	
Q3051-02DUP	VNJ-223DUP	DUP	WATER	09/09/2025	5.0	25.0	
Q3051-02MS	VNJ-223MS	MS	WATER	09/09/2025	5.0	25.0	
Q3051-02MSD	VNJ-223MSD	MSD	WATER	09/09/2025	5.0	25.0	

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metals
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ANALYSIS RUN LOG

Client: Zuccaro Inc. **Contract:** ZUCC01

Lab code: ACE **Sdg no.:** Q3032

Instrument id number: **Method:** **Run number:** LB137122

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

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1148	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1153	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1157	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1201	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1205	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1209	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1214	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1226	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1231	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1236	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1242	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1246	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1259	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1326	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1414	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1419	Ag,As,Ba,Cd,Cr,Pb,Se
Q3032-02	SOIL-PILE-1	1	1432	Ag,As,Ba,Cd,Cr,Pb,Se
Q3032-05	SOIL-PILE-2	1	1436	Ag,As,Ba,Cd,Cr,Pb,Se
Q3051-02DUP	VNJ-223DUP	1	1503	Ag,As,Ba,Cd,Cr,Pb,Se
Q3051-02L	VNJ-223L	5	1507	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1511	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1525	Ag,As,Ba,Cd,Cr,Pb,Se
Q3051-02MS	VNJ-223MS	1	1529	Ag,As,Ba,Cd,Cr,Pb,Se
Q3051-02MSD	VNJ-223MSD	1	1533	Ag,As,Ba,Cd,Cr,Pb,Se
PB169589TB	PB169589TB	1	1558	Ag,As,Ba,Cd,Cr,Pb,Se
PB169617BL	PB169617BL	1	1603	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1624	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1628	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1713	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1717	Ag,As,Ba,Cd,Cr,Pb,Se
PB169617BS	PB169617BS	1	1721	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1746	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1750	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
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ANALYSIS RUN LOG

Client: Zuccaro Inc. **Contract:** ZUCC01

Lab code: ACE **Sdg no.:** Q3032

Instrument id number: **Method:** **Run number:** LB137126

Start date: 09/10/2025 **End date:** 09/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0923	HG
S0.2	S0.2	1	0928	HG
S2.5	S2.5	1	0930	HG
S5	S5	1	0932	HG
S7.5	S7.5	1	0935	HG
S10	S10	1	0940	HG
ICV24	ICV24	1	0948	HG
ICB24	ICB24	1	0956	HG
CCV70	CCV70	1	1003	HG
CCB70	CCB70	1	1009	HG
CRA	CRA	1	1024	HG
PB169614BL	PB169614BL	1	1041	HG
PB169614BS	PB169614BS	1	1046	HG
Q3032-02	SOIL-PILE-1	1	1051	HG
Q3032-05	SOIL-PILE-2	1	1053	HG
CCV71	CCV71	1	1105	HG
CCB71	CCB71	1	1107	HG
Q3051-02DUP	VNJ-223DUP	1	1109	HG
Q3051-02MS	VNJ-223MS	1	1114	HG
Q3051-02MSD	VNJ-223MSD	1	1120	HG
CCV72	CCV72	1	1214	HG
CCB72	CCB72	1	1231	HG
PB169589TB	PB169589TB	1	1303	HG
Q3051-02L	VNJ-223L	5	1306	HG
CCV73	CCV73	1	1320	HG
CCB73	CCB73	1	1326	HG

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LAB CHRONICLE

OrderID:	Q3032	**OrderDate:**	9/5/2025 12:41:17 PM
Client:	Zuccaro Inc.	**Project:**	3 Coal Ave., Morristown, NJ
Contact:	Sal Zuccaro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3032-01	**SOIL-PILE-1**	**SOIL**			**09/05/25 11:14**			**09/05/25**
			Cyanide	9012B		09/10/25	09/10/25 11:32	
Q3032-04	**SOIL-PILE-2**	**SOIL**			**09/05/25 11:36**			**09/05/25**
			Cyanide	9012B		09/10/25	09/10/25 11:32	

SAMPLE DATA

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25 11:14
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-1	SDG No.:	Q3032
Lab Sample ID:	Q3032-01	Matrix:	SOIL
		% Solid:	83.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.17	J	1	0.050	0.30	mg/Kg	09/10/25 08:10	09/10/25 11:32	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

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Report of Analysis

Client:	Zuccaro Inc.	Date Collected:	09/05/25 11:36
Project:	3 Coal Ave., Morristown, NJ	Date Received:	09/05/25
Client Sample ID:	SOIL-PILE-2	SDG No.:	Q3032
Lab Sample ID:	Q3032-04	Matrix:	SOIL
		% Solid:	83.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	J	1	0.049	0.29	mg/Kg	09/10/25 08:10	09/10/25 11:32	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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	Zuccaro Inc.	**SDG No.:**	Q3032
Project:	3 Coal Ave., Morristown, NJ	**RunNo.:**	LB137132

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.096	0.099	97	90-110	09/10/2025
Sample ID:	CCV1						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025
Sample ID:	CCV2						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025
Sample ID:	CCV3						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025
Sample ID:	CCV4						
Cyanide		mg/L	0.26	0.25	104	90-110	09/10/2025

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Initial and Continuing Calibration Blank Summary

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ **RunNo.:** LB137132

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	0.0016	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB1							
Cyanide		mg/L	0.0017	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB2							
Cyanide		mg/L	0.0015	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB3							
Cyanide		mg/L	0.002	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB4							
Cyanide		mg/L	0.0019	0.0025	J	0.00096	0.005	09/10/2025

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Preparation Blank Summary

Client: Zuccaro Inc. **SDG No.:** Q3032

Project: 3 Coal Ave., Morristown, NJ

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB169627BL							
Cyanide	mg/Kg	0.11	0.1250	J	0.042	0.25	09/10/2025

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Matrix Spike Summary

Client: Zuccaro Inc.
SDG No.: Q3032
Project: 3 Coal Ave., Morristown, NJ
Sample ID: Q3032-04
Client ID: SOIL-PILE-2MS
Percent Solids for Spike Sample: 83.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.50		0.20	J	2.4	1	96		09/10/2025

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Matrix Spike Summary

Client: Zuccaro Inc.
SDG No.: Q3032
Project: 3 Coal Ave., Morristown, NJ
Sample ID: Q3032-04
Client ID: SOIL-PILE-2MSD
Percent Solids for Spike Sample: 83.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.50		0.20	J	2.4	1	96		09/10/2025

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Duplicate Sample Summary

Client: Zuccaro Inc.
SDG No.: Q3032
Project: 3 Coal Ave., Morristown, NJ
Sample ID: Q3032-04
Client ID: SOIL-PILE-2DUP
Percent Solids for Spike Sample: 83.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.20	J	0.18	J	1	11		09/10/2025

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Duplicate Sample Summary

Client: Zuccaro Inc.
SDG No.: Q3032
Project: 3 Coal Ave., Morristown, NJ
Sample ID: Q3032-04
Client ID: SOIL-PILE-2MSD
Percent Solids for Spike Sample: 83.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.50		2.50		1	0		09/10/2025

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Laboratory Control Sample Summary

Client:	Zuccaro Inc.	**SDG No.:**	Q3032
Project:	3 Coal Ave., Morristown, NJ	**Run No.:**	LB137132

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB169627BS**								
Cyanide	mg/Kg	5	4.90		98	1	85-115	09/10/2025

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3032
COC Number 2045254

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16.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Zuccaro Inc.
ADDRESS: 3 Cozl AVE
CITY Morristown STATE: N.J ZIP:
ATTENTION: Sal Zuccaro
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 3 Cozl AVE, Morristown, NJ
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

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

ANALYSIS

1: Metals TCLP-TAL
2: SVOC-TCL BNA-20
3: PCB
4: TCLP BNA
5: Mercury
6: TCLP VOA
7: VOC-TCL VOA-10
8:
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Soil pile #1	SOL	X		9.5.25	11:14	5	X	X	X	X	X					
2.	〃	〃		X	〃	11:16	5						X	X			
3.	Soil pile #2	〃	X		〃	11:36	5	X	X	X	X	X					
4.	〃	〃		X	〃	11:40	5						X	X			
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12:06 9.5.2025	1.
2.		2.
3.	12:30 9.5.2025	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 4.2 °C
Comments: Equal volume of soil used, 5:1 composite
* Soil pile #1 - 24x16x7 = Measurement *
* Soil pile #2 - 24x22x7 = Measurements

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

1

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: 3 Coal AVE, Morristown, N.J.
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site:
Site Address: 3 Coal AVE Morristown, NJ.

Chemtech Order ID:
Sampler Name: Lawrence Carter
Client Project Coordinator & Phone:

Page #: 1 of 1
Date: 9.5.2025
Arrive Time: 10:38
Depart Time: 12:06

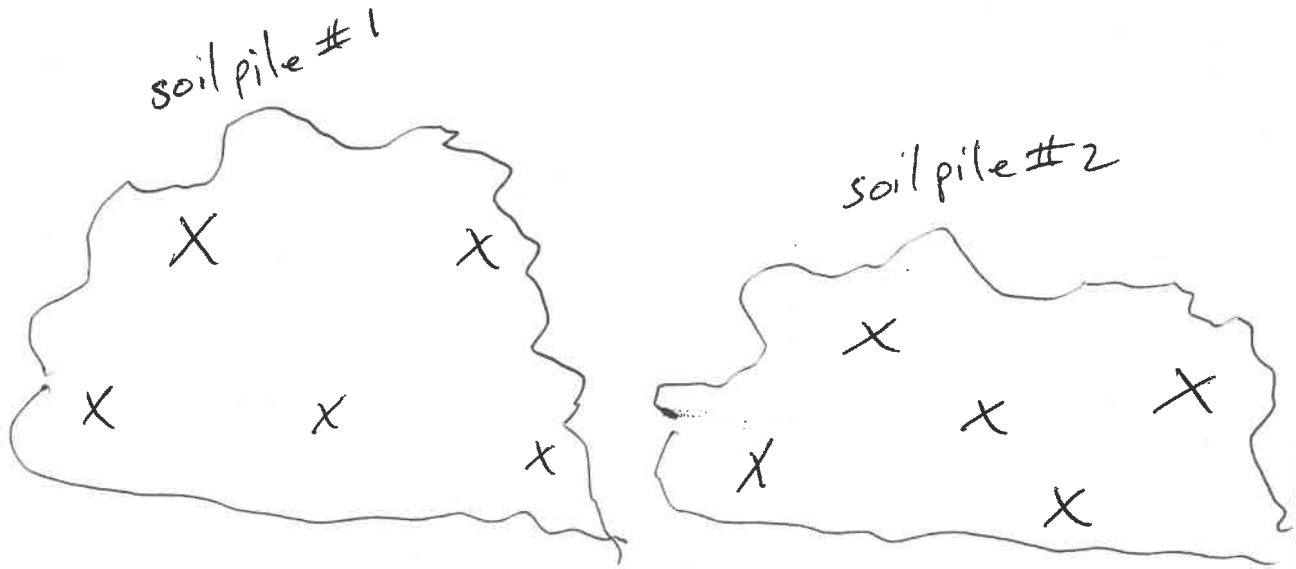
Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths:
Dimensions/CY: soil pile #1 100cy | soil pile #2 136cy
Temp (range): °C PID Readings (range): PPM Odor: Y (N) Color: (Y) N

Sample Description: Brown wet soil, Rocks, GRASS.
Field Observations: Sampled, soil pile #1, soil pile #2.

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: 9.5.2025
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

Alliance TECHNICAL GROUP
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LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3032 ZUCC01	**Order Date :**	9/5/2025 12:41:17 PM	**Project Mgr :**	Yazmeen
Client Name :	Zuccaro Inc.	**Project Name :**	3 Coal Ave., Morristown, N	**Report Type :**	Results+QC
Client Contact :	Sal Zuccaro	**Receive DateTime :**	9/5/2025 12:36:00 PM	**EDD Type :**	EXCEL NJCLEANUP
Invoice Name :	Zuccaro Inc.	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Sal Zuccaro			**Date Signoff :**	9/5/2025 2:08:49 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
~~Q3032-02~~	~~SOIL-PILE-1~~	~~Solid~~	~~09/05/2025~~	~~11:14~~						
					~~TCLP VOA~~	~~TCLP-FULL~~	~~8260D~~	~~5 Bus. Days~~	~~09/12/2025~~	
Q3032-03	SOIL-PILE-1	Solid	09/05/2025	11:16						
					VOC-TCLVOA-10		8260D	5 Bus. Days	09/12/2025	
~~Q3032-05~~	~~SOIL-PILE-2~~	~~Solid~~	~~09/05/2025~~	~~11:38~~						
					TCLP VOA	TCLP-FULL	8260D	5 Bus. Days	09/12/2025	
Q3032-06	SOIL-PILE-2	Solid	09/05/2025	11:40						
					VOC-TCLVOA-10		8260D	5 Bus. Days	09/12/2025	

Relinquished By : C.P.
Date / Time : 9/5/25 13:45

Received By :
Date / Time : 9-5-25 13:45

Storage Area : VOA Refridgerator Room