

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	PCB	8082A	09/05/25	09/08/25	09/08/25	09/05/25
Q3032-02	SOIL-PILE-1	TCLP	TCLP Herbicide TCLP Pesticide	8151A 8081B	09/05/25	09/11/25 09/11/25	09/11/25 09/11/25	09/05/25
Q3032-04	SOIL-PILE-2	SOIL	PCB	8082A	09/05/25	09/08/25	09/08/25	09/05/25
Q3032-05	SOIL-PILE-2	TCLP	TCLP Herbicide TCLP Pesticide	8151A 8081B	09/05/25	09/11/25 09/11/25	09/11/25 09/11/25	09/05/25



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

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

A
B
C
D
E
F
G
H



SAMPLE DATA

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:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	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:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	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:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: Q3032

Client: Zuccaro Inc.

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	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)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3032</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Zuccaro Inc.</u>	DataFile :	<u>PS031710.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits		RPD
			Result	Result			Qual	RPD	Qual	Low	High		
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)		

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3032</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Zuccaro Inc.</u>	DataFile :	<u>PS031711.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3032-02MSD	Client Sample ID:	SOIL-PILE-1MSD								
(Column 1)											
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	Client Sample ID:	SOIL-PILE-1MSD								
(Column 2)											
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 Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3032</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Zuccaro Inc.</u>	Datafile :	<u>PS031707.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
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)	

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

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	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
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

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:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	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
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

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:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	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
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

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:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	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

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
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

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

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
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3032</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>09/09/2025</u> <u>09/09/2025</u>
		Calibration Times:	<u>11:32</u> <u>13:08</u>

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

LAB FILE ID:	RT 200 = <u>PS031668.D</u>	RT 500 = <u>PS031669.D</u>
RT 750 = <u>PS031670.D</u>	RT 1000 = <u>PS031671.D</u>	RT 1500 = <u>PS031672.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM 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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ZUCC01

Lab Code: ACE

SDG NO.: Q3032

Instrument ID: ECD_S

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 =	<u>PS031668.D</u>	RT 500 =	<u>PS031669.D</u>
RT 750 =	PS031670.D	RT 1000 =	PS031671.D	RT 1500 =
				PS031672.D

[illegible]

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 =	<u>PS031668.D</u>	CF 500 =	<u>PS031669.D</u>		
CF 750 =		<u>PS031670.D</u>	CF 1000 =	<u>PS031671.D</u>	CF 1500 =	<u>PS031672.D</u>	
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

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 = <u>PS031668.D</u>		CF 500 = <u>PS031669.D</u>			
CF 750 = <u>PS031670.D</u>		CF 1000 = <u>PS031671.D</u>		CF 1500 = <u>PS031672.D</u>			
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

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		DIFF RT
			FROM	TO	
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

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		DIFF RT
			FROM	TO	
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

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 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

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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

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 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

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		DIFF RT
			FROM	TO	
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

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 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

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 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

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 #
IBLK	IBLK	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
IBLK	IBLK	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
IBLK	IBLK	09/11/2025	21:20	PS031713.D	7.29	0.00
HSTDCCC750	HSTDCCC750	09/11/2025	21:44	PS031714.D	7.29	0.00

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 #
IBLK	IBLK	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
IBLK	IBLK	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
IBLK	IBLK	09/11/2025	21:20	PS031713.D	7.75	0.00
HSTDCCC750	HSTDCCC750	09/11/2025	21:44	PS031714.D	7.74	0.00

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		CONCENTRATION	%RPD
			FROM	TO		
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	

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		CONCENTRATION	%RPD
			FROM	TO		
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	

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		CONCENTRATION	%RPD
			FROM	TO		
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	