

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	TCLP VOA	8260D	09/05/25		09/08/25	09/05/25
Q3032-05	SOIL-PILE-2	TCLP	TCLP VOA	8260D	09/05/25		09/08/25	09/05/25

Hit Summary Sheet
SW-846

SDG No.: Q3032
Client: Zuccaro Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3032-02	SOIL-PILE-1 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: Q3032-05	SOIL-PILE-2 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

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

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

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3032**

Client: **Zuccaro Inc.**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	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)
VN0908WBSD01	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 Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3032</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Zuccaro Inc.</u>	Datafile :	<u>VN087752.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	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 Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3032</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Zuccaro Inc.</u>	Datafile :	<u>VN087753.D</u>

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

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: _____

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
VSTDIC001	VSTDIC001	VN087619.D	08/21/2025	12:09
VSTDIC005	VSTDIC005	VN087620.D	08/21/2025	13:08
VSTDIC020	VSTDIC020	VN087621.D	08/21/2025	13:41
VSTDIC050	VSTDIC050	VN087622.D	08/21/2025	14:02
VSTDIC100	VSTDIC100	VN087623.D	08/21/2025	14:23
VSTDIC150	VSTDIC150	VN087624.D	08/21/2025	14:44

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VN087748.D
Instrument ID: MSVOA_N
GC Column: RXI-624 ID: 0.25 (mm)

Contract: ZUCC01
SDG NO.: Q3032
BFB Injection Date: 09/08/2025
BFB Injection Time: 07:42
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

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3032</u>
Lab File ID:	<u>VN087749.D</u>	Date Analyzed:	<u>09/08/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>08:58</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	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

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			

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A = Aldol-Condensation Reaction Products

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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>ZUCC01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3032</u>
Instrument ID: <u>MSVOA_N</u>	Calibration Date(s): <u>08/21/2025</u> <u>08/21/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>12:09</u> <u>14:44</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (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	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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3032</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/08/2025</u> <u>08:58</u>
Lab File ID:	<u>VN087749.D</u>	Init. Calib. Date(s):	<u>08/21/2025</u> <u>08/21/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:09</u> <u>14:44</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (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.