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

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

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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

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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)	

( ) = 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:** 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

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:** 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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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:	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
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E = Value Exceeds Calibration Range
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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

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

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Fax : 908 789 8922

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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Fax : 908 789 8922

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.