



LAB CHRONICLE

OrderID:	Q3238	OrderDate:	9/29/2025 1:34:00 PM
Client:	Yannuzzi Group, Inc.	Project:	Edison Yard
Contact:	Alyssa Yannuzzi	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3238-01	RCA	SOIL			09/18/25			09/29/25
			PCB	8082A		09/30/25	09/30/25	
			Pesticide-TCL	8081B		09/30/25	10/01/25	
			TPH GC	8015D		10/01/25	10/01/25	
			EPH	NJEPH		10/02/25	10/02/25	



SAMPLE DATA

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	09/18/25
Project:	Edison Yard	Date Received:	09/29/25
Client Sample ID:	RCA	SDG No.:	Q3238
Lab Sample ID:	Q3238-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 17:03	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	1	0.14	1.00	mg/kg	FE056151.D
Aliphatic C12-C16	Aliphatic C12-C16	0.45	J	1	0.11	0.67	mg/kg	FE056151.D
Aliphatic C16-C21	Aliphatic C16-C21	0.32	J	1	0.13	1.00	mg/kg	FE056151.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FE056151.D
Aliphatic C28-C40	Aliphatic C28-C40	6.67		1	1.18	2.00	mg/kg	FE056151.D
Aromatic C10-C12	Aromatic C10-C12	0.18	J	1	0.12	0.67	mg/kg	FD049802.D
Aromatic C12-C16	Aromatic C12-C16	0.30	J	1	0.23	1.00	mg/kg	FD049802.D
Aromatic C16-C21	Aromatic C16-C21	1.62	J	1	0.40	1.66	mg/kg	FD049802.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.66	mg/kg	FD049802.D
Total AliphaticEPH	Total AliphaticEPH	7.74			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	2.10	J		1.94	5.98	mg/kg	
Total EPH	Total EPH	9.84	J		4.03	12.0	mg/kg	

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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	09/18/25
Project:	Edison Yard	Date Received:	09/29/25
Client Sample ID:	RCA	SDG No.:	Q3238
Lab Sample ID:	Q3238-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049802.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.18	J	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.30	J	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.62	J	0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	40.2		40 - 140	80%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.6		40 - 140	45%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3238-01	Acq On:	02 Oct 2025 18:12
Client Sample ID:	RCA	Operator:	YP/AJ
Data file:	FD049802.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	325855	2.654	200	ug/ml
Aromatic C12-C16	6.132	8.759	647119	4.514	300	ug/ml
Aromatic C16-C21	8.760	13.049	3468227	24.395	500	ug/ml
Aromatic C21-C36	13.050	18.468	1842728	14.882	800	ug/ml
Aromatic EPH	4.389	18.468	6283929	46.445		ug/ml
ortho-Terphenyl (SURR)	11.606	11.606	3380065	22.64		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4771192	40.16		ug/ml
2-Fluorobiphenyl (SURR)	8.561	8.561	3349613	39.45		ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	09/18/25
Project:	Edison Yard	Date Received:	09/29/25
Client Sample ID:	RCA	SDG No.:	Q3238
Lab Sample ID:	Q3238-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056151.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.45	J	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.32	J	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.67		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.6		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3238-01	Acq On:	02 Oct 2025 17:03
Client Sample ID:	RCA	Operator:	YP\AJ
Data file:	FE056151.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	635143	4.536	300	ug/ml
Aliphatic C12-C16	6.946	10.395	1034339	6.744	200	ug/ml
Aliphatic C16-C21	10.396	13.772	801534	4.832	300	ug/ml
Aliphatic C21-C28	13.773	17.442	725207	4.883	400	ug/ml
Aliphatic C28-C40	17.443	22.448	13668472	100.318	600	ug/ml
Aliphatic EPH	3.311	22.448	16864695	121.312		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	4133957	29.62		ug/ml
Aliphatic C9-C28	3.311	17.442	3196223	20.995	1200	ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: YANN01
Lab Code: ACE SDG No.: Q3238
Run Number: FD100225AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB169950BL	88	90	99	0
PB169950BS	76	76	86	0
PB169950BSD	75	75	84	0
RCA	80	79	45	0
RCAMS	83	84	52	0
RCAMSD	82	83	52	0

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)
2-Flurobiphenyl (SURR) (40-140)
ortho-Terphenyl (SURR) (40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: YANN01
Lab Code: ACE SDG No.: Q3238
Run Number: FE100225AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB169950BL	67			0
PB169950BS	87			0
PB169950BSD	87			0
RCA	59			0
RCAMS	60			0
RCAMSD	62			0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Yannuzzi Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3238</u>
Sample No :	<u>Q3238-01MS</u>	Datafile:	<u>FD049804.D</u>
		Client ID :	<u>RCAMS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	6.7	0.18	4.17	60		(40-140)
Aromatic C12-C16	10	0.30	8.63	84		(40-140)
Aromatic C16-C21	16.6	1.62	15.0	80		(40-140)
Aromatic C21-C36	26.6	0	22.7	85		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Yannuzzi Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3238</u>
Sample No :	<u>Q3238-01MSD</u>	Datafile:	<u>FD049805.D</u>
		Client ID :	<u>RCAMSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aromatic C10-C12	6.7	0.18	4.16	60		0.17 (40-140)	50
Aromatic C12-C16	10	0.30	8.60	83		0.48 (40-140)	50
Aromatic C16-C21	16.6	1.62	14.9	80		0.75 (40-140)	50
Aromatic C21-C36	26.6	0	23.0	86		1.28 (40-140)	50

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Yannuzzi Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3238</u>
Sample No :	<u>Q3238-01MS</u>	Datafile:	<u>FE056153.D</u>
		Client ID :	<u>RCAMS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	10	0.30	4.92	46		(40-140)
Aliphatic C12-C16	6.7	0.45	4.79	65		(40-140)
Aliphatic C16-C21	10	0.32	7.64	73		(40-140)
Aliphatic C21-C28	13.3	0	9.89	74		(40-140)
Aliphatic C28-C40	20.0	6.67	20.8	71		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Yannuzzi Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3238</u>
Sample No :	<u>Q3238-01MSD</u>	Datafile:	<u>FE056154.D</u>
		Client ID :	<u>RCAMSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C9-C12	10	0.30	4.73	44		4.19 (40-140)	50
Aliphatic C12-C16	6.7	0.45	4.61	62		4.38 (40-140)	50
Aliphatic C16-C21	10	0.32	9.31	90		20 (40-140)	50
Aliphatic C21-C28	13.3	0	9.97	75		0.8 (40-140)	50
Aliphatic C28-C40	20.0	6.67	21.3	73		3.47 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Yannuzzi Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3238</u>
Sample No :	<u>PB169950BS</u>	Datafile:	<u>FD049799.D</u>
		Client ID :	<u>PB169950BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	6.7	4.37	66		(40-140)
Aromatic C12-C16	10	7.19	72		(40-140)
Aromatic C16-C21	16.7	14.7	88		(40-140)
Aromatic C21-C36	26.6	24.8	93		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Yannuzzi Group, Inc.
Lab Code: ACE **SDG No:** Q3238
Sample No : PB169950BSD **Datafile:** FD049800.D **Client ID :** PB169950BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aromatic C10-C12	6.7	4.33	65		0.896 (40-140)	25
Aromatic C12-C16	10	7.08	71		1.4 (40-140)	25
Aromatic C16-C21	16.7	14.5	87		1.4 (40-140)	25
Aromatic C21-C36	26.6	24.8	93		0.0075 (40-140)	25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Yannuzzi Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3238</u>
Sample No :	<u>PB169950BS</u>	Datafile:	<u>FE056148.D</u>
		Client ID :	<u>PB169950BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	10	5.10	51		(40-140)
Aliphatic C12-C16	6.7	4.79	72		(40-140)
Aliphatic C16-C21	10	8.05	81		(40-140)
Aliphatic C21-C28	13.3	10.6	80		(40-140)
Aliphatic C28-C40	20.0	17.9	90		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Yannuzzi Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3238</u>
Sample No :	<u>PB169950BSD</u>	Datafile:	<u>FE056149.D</u>
		Client ID :	<u>PB169950BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C9-C12	10	4.76	48		6.8 (40-140)	25
Aliphatic C12-C16	6.7	4.57	69		4.7 (40-140)	25
Aliphatic C16-C21	10	7.92	79		1.7 (40-140)	25
Aliphatic C21-C28	13.3	10.6	80		0.0257! (40-140)	25
Aliphatic C28-C40	20.0	17.7	89		1.1 (40-140)	25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169950BL

Lab Name: Alliance

Contract: YANN01

Lab Code: ACE

SDG NO.: Q3238

Instrument ID: FID_D

Lab Sample ID: PB169950BL

Matrix: (soil/water) Solid

Date Extracted: 10/2/2025 9:05:00 A

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169950BS	PB169950BS
PB169950BSD	PB169950BSD
RCA	Q3238-01
RCAMS	Q3238-01MS
RCMSD	Q3238-01MSD

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	PB169950BL	SDG No.:	Q3238
Lab Sample ID:	PB169950BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 16:33	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FE056150.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FE056150.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FE056150.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FE056150.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE056150.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049801.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049801.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049801.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FD049801.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	mg/kg	
Total EPH	Total EPH	4.03	U		4.03	12.0	mg/kg	

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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	PB169950BL	SDG No.:	Q3238
Lab Sample ID:	PB169950BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049801.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.2		40 - 140	88%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	44.9		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.5		40 - 140	99%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169950BL	Acq On:	02 Oct 2025 17:28
Client Sample ID:	PB169950BL	Operator:	YP/AJ
Data file:	FD049801.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	0	0	200	ug/ml
Aromatic C12-C16	6.132	8.759	0	0	300	ug/ml
Aromatic C16-C21	8.760	13.049	0	0	500	ug/ml
Aromatic C21-C36	13.050	18.468	0	0	800	ug/ml
Aromatic EPH	4.389	18.468	0	0		ug/ml
ortho-Terphenyl (SURR)	11.610	11.610	7383441	49.46		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	5250030	44.19		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3808082	44.85		ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	PB169950BL	SDG No.:	Q3238
Lab Sample ID:	PB169950BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056150.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169950BL	Acq On:	02 Oct 2025 16:33
Client Sample ID:	PB169950BL	Operator:	YP\AJ
Data file:	FE056150.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	0	0	300	ug/ml
Aliphatic C12-C16	6.946	10.395	0	0	200	ug/ml
Aliphatic C16-C21	10.396	13.772	0	0	300	ug/ml
Aliphatic C21-C28	13.773	17.442	0	0	400	ug/ml
Aliphatic C28-C40	17.443	22.448	0	0	600	ug/ml
Aliphatic EPH	3.311	22.448	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4709065	33.74		ug/ml
Aliphatic C9-C28	3.311	17.442	0	0	1200	ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	PB169950BS	SDG No.:	Q3238
Lab Sample ID:	PB169950BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 15:32	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.10		1	0.14	1.00	mg/kg	FE056148.D
Aliphatic C12-C16	Aliphatic C12-C16	4.79		1	0.11	0.67	mg/kg	FE056148.D
Aliphatic C16-C21	Aliphatic C16-C21	8.05		1	0.13	1.00	mg/kg	FE056148.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.53	1.33	mg/kg	FE056148.D
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1	1.18	2.00	mg/kg	FE056148.D
Aromatic C10-C12	Aromatic C10-C12	4.37		1	0.12	0.67	mg/kg	FD049799.D
Aromatic C12-C16	Aromatic C12-C16	7.19		1	0.23	1.00	mg/kg	FD049799.D
Aromatic C16-C21	Aromatic C16-C21	14.7		1	0.40	1.67	mg/kg	FD049799.D
Aromatic C21-C36	Aromatic C21-C36	24.8		1	1.19	2.66	mg/kg	FD049799.D
Total AliphaticEPH	Total AliphaticEPH	46.4			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	51.1			1.94	6.00	mg/kg	
Total EPH	Total EPH	97.5			4.03	12.0	mg/kg	

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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	PB169950BS	SDG No.:	Q3238
Lab Sample ID:	PB169950BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049799.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.37		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.19		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.7		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.8		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.1		40 - 140	76%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.9		40 - 140	86%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169950BS	Acq On:	02 Oct 2025 16:01
Client Sample ID:	PB169950BS	Operator:	YP/AJ
Data file:	FD049799.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	8045935	65.526	200	ug/ml
Aromatic C12-C16	6.132	8.759	15474304	107.941	300	ug/ml
Aromatic C16-C21	8.760	13.049	31275271	219.983	500	ug/ml
Aromatic C21-C36	13.050	18.468	46046516	371.877	800	ug/ml
Aromatic EPH	4.389	18.468	100842026	765.327		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	6400876	42.88		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4532878	38.15		ug/ml
2-Flurobiphenyl (SURR)	8.562	8.562	3230599	38.05		ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.		Date Collected:		
Project:	Edison Yard		Date Received:		
Client Sample ID:	PB169950BS		SDG No.:	Q3238	
Lab Sample ID:	PB169950BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056148.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.10		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.79		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.05		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.6		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.4		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169950BS	Acq On:	02 Oct 2025 15:32
Client Sample ID:	PB169950BS	Operator:	YP\AJ
Data file:	FE056148.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	10717912	76.541	300	ug/ml
Aliphatic C12-C16	6.946	10.395	11032264	71.929	200	ug/ml
Aliphatic C16-C21	10.396	13.772	20040496	120.813	300	ug/ml
Aliphatic C21-C28	13.773	17.442	23701194	159.575	400	ug/ml
Aliphatic C28-C40	17.443	22.448	36542387	268.197	600	ug/ml
Aliphatic EPH	3.311	22.448	102034253	697.056		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	6062252	43.44		ug/ml
Aliphatic C9-C28	3.311	17.442	65491866	428.858	1200	ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	PB169950BSD	SDG No.:	Q3238
Lab Sample ID:	PB169950BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 16:02	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	4.76		1	0.14	1.00	mg/kg	FE056149.D
Aliphatic C12-C16	Aliphatic C12-C16	4.57		1	0.11	0.67	mg/kg	FE056149.D
Aliphatic C16-C21	Aliphatic C16-C21	7.92		1	0.13	1.00	mg/kg	FE056149.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.53	1.33	mg/kg	FE056149.D
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1	1.18	2.00	mg/kg	FE056149.D
Aromatic C10-C12	Aromatic C10-C12	4.33		1	0.12	0.67	mg/kg	FD049800.D
Aromatic C12-C16	Aromatic C12-C16	7.08		1	0.23	1.00	mg/kg	FD049800.D
Aromatic C16-C21	Aromatic C16-C21	14.5		1	0.40	1.67	mg/kg	FD049800.D
Aromatic C21-C36	Aromatic C21-C36	24.8		1	1.19	2.66	mg/kg	FD049800.D
Total AliphaticEPH	Total AliphaticEPH	45.5			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	50.7			1.94	6.00	mg/kg	
Total EPH	Total EPH	96.3			4.03	12.0	mg/kg	

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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	PB169950BSD	SDG No.:	Q3238
Lab Sample ID:	PB169950BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049800.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.33		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.08		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.5		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.8		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.6		40 - 140	75%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.1		40 - 140	84%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169950BSD	Acq On:	02 Oct 2025 16:44
Client Sample ID:	PB169950BSD	Operator:	YP/AJ
Data file:	FD049800.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	7982250	65.008	200	ug/ml
Aromatic C12-C16	6.132	8.759	15238556	106.297	300	ug/ml
Aromatic C16-C21	8.760	13.049	30865139	217.098	500	ug/ml
Aromatic C21-C36	13.050	18.468	46055171	371.947	800	ug/ml
Aromatic EPH	4.389	18.468	100141116	760.349		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	6285760	42.11		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4468408	37.61		ug/ml
2-Fluorobiphenyl (SURR)	8.561	8.561	3191925	37.6		ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	PB169950BSD	SDG No.:	Q3238
Lab Sample ID:	PB169950BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056149.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	4.76		0.14	1.00	mg/kg
	Aliphatic C12-C16	4.57		0.11	0.67	mg/kg
	Aliphatic C16-C21	7.92		0.13	1.00	mg/kg
	Aliphatic C21-C28	10.6		0.53	1.33	mg/kg
	Aliphatic C28-C40	17.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169950BSD	Acq On:	02 Oct 2025 16:02
Client Sample ID:	PB169950BSD	Operator:	YP\AJ
Data file:	FE056149.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	10010564	71.49	300	ug/ml
Aliphatic C12-C16	6.946	10.395	10519573	68.587	200	ug/ml
Aliphatic C16-C21	10.396	13.772	19736725	118.982	300	ug/ml
Aliphatic C21-C28	13.773	17.442	23717806	159.687	400	ug/ml
Aliphatic C28-C40	17.443	22.448	36272078	266.213	600	ug/ml
Aliphatic EPH	3.311	22.448	100256746	684.958		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	6079062	43.56		ug/ml
Aliphatic C9-C28	3.311	17.442	63984668	418.746	1200	ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	RCAMS	SDG No.:	Q3238
Lab Sample ID:	Q3238-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 18:04	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	4.92		1	0.14	1.00	mg/kg	FE056153.D
Aliphatic C12-C16	Aliphatic C12-C16	4.79		1	0.11	0.67	mg/kg	FE056153.D
Aliphatic C16-C21	Aliphatic C16-C21	7.64		1	0.13	1.00	mg/kg	FE056153.D
Aliphatic C21-C28	Aliphatic C21-C28	9.89		1	0.53	1.33	mg/kg	FE056153.D
Aliphatic C28-C40	Aliphatic C28-C40	20.8		1	1.18	2.00	mg/kg	FE056153.D
Aromatic C10-C12	Aromatic C10-C12	4.17		1	0.12	0.67	mg/kg	FD049804.D
Aromatic C12-C16	Aromatic C12-C16	8.63		1	0.23	1.00	mg/kg	FD049804.D
Aromatic C16-C21	Aromatic C16-C21	15.0		1	0.40	1.66	mg/kg	FD049804.D
Aromatic C21-C36	Aromatic C21-C36	22.7		1	1.19	2.66	mg/kg	FD049804.D
Total AliphaticEPH	Total AliphaticEPH	48.0			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	50.5			1.94	5.98	mg/kg	
Total EPH	Total EPH	98.5			4.03	12.0	mg/kg	

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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	RCAMS	SDG No.:	Q3238
Lab Sample ID:	Q3238-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049804.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.17		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.63		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.0		0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	22.7		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.3		40 - 140	83%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.0		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.9		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3238-01MS	Acq On:	02 Oct 2025 19:37
Client Sample ID:	RCAMS	Operator:	YP/AJ
Data file:	FD049804.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	7693732	62.658	200	ug/ml
Aromatic C12-C16	6.132	8.759	18603790	129.771	300	ug/ml
Aromatic C16-C21	8.760	13.049	32032138	225.306	500	ug/ml
Aromatic C21-C36	13.050	18.468	42171715	340.584	800	ug/ml
Aromatic EPH	4.389	18.468	100501375	758.319		ug/ml
ortho-Terphenyl (SURR)	11.608	11.608	3862905	25.88		ug/ml
2-Bromonaphthalene (SURR)	7.698	7.698	4901926	41.26		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3563531	41.97		ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	RCAMS	SDG No.:	Q3238
Lab Sample ID:	Q3238-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056153.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.92		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.79		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.64		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.89		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.8		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3238-01MS	Acq On:	02 Oct 2025 18:04
Client Sample ID:	RCAMS	Operator:	YP\AJ
Data file:	FE056153.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	10354395	73.945	300	ug/ml
Aliphatic C12-C16	6.946	10.395	11038918	71.973	200	ug/ml
Aliphatic C16-C21	10.396	13.772	19057854	114.89	300	ug/ml
Aliphatic C21-C28	13.773	17.442	22073475	148.616	400	ug/ml
Aliphatic C28-C40	17.443	22.448	42539910	312.215	600	ug/ml
Aliphatic EPH	3.311	22.448	105064552	721.638		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4205241	30.13		ug/ml
Aliphatic C9-C28	3.311	17.442	62524642	409.424	1200	ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	RCAMSD	SDG No.:	Q3238
Lab Sample ID:	Q3238-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 18:34	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	4.73		1	0.14	1.00	mg/kg	FE056154.D
Aliphatic C12-C16	Aliphatic C12-C16	4.61		1	0.11	0.67	mg/kg	FE056154.D
Aliphatic C16-C21	Aliphatic C16-C21	9.31		1	0.13	1.00	mg/kg	FE056154.D
Aliphatic C21-C28	Aliphatic C21-C28	9.97		1	0.53	1.33	mg/kg	FE056154.D
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1	1.18	2.00	mg/kg	FE056154.D
Aromatic C10-C12	Aromatic C10-C12	4.16		1	0.12	0.67	mg/kg	FD049805.D
Aromatic C12-C16	Aromatic C12-C16	8.60		1	0.23	1.00	mg/kg	FD049805.D
Aromatic C16-C21	Aromatic C16-C21	14.9		1	0.40	1.66	mg/kg	FD049805.D
Aromatic C21-C36	Aromatic C21-C36	23.0		1	1.19	2.66	mg/kg	FD049805.D
Total AliphaticEPH	Total AliphaticEPH	49.9			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	50.7			1.94	5.98	mg/kg	
Total EPH	Total EPH	101			4.03	12.0	mg/kg	

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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	RCAMSD	SDG No.:	Q3238
Lab Sample ID:	Q3238-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049805.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.16		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.60		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.9		0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	23.0		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	40.9		40 - 140	82%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	41.7		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3238-01MSD	Acq On:	02 Oct 2025 20:19
Client Sample ID:	RCAMSD	Operator:	YP/AJ
Data file:	FD049805.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	7671808	62.479	200	ug/ml
Aromatic C12-C16	6.132	8.759	18532916	129.277	300	ug/ml
Aromatic C16-C21	8.760	13.049	31731837	223.194	500	ug/ml
Aromatic C21-C36	13.050	18.468	42829413	345.896	800	ug/ml
Aromatic EPH	4.389	18.468	100765974	760.846		ug/ml
ortho-Terphenyl (SURR)	11.608	11.608	3851203	25.8		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4860590	40.91		ug/ml
2-Flurobiphenyl (SURR)	8.562	8.562	3538469	41.68		ug/ml

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	Edison Yard	Date Received:	
Client Sample ID:	RCAMSD	SDG No.:	Q3238
Lab Sample ID:	Q3238-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056154.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.73		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.61		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.31		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.97		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.8		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3238-01MSD	Acq On:	02 Oct 2025 18:34
Client Sample ID:	RCAMSD	Operator:	YP\AJ
Data file:	FE056154.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	9950514	71.061	300	ug/ml
Aliphatic C12-C16	6.946	10.395	10624570	69.271	200	ug/ml
Aliphatic C16-C21	10.396	13.772	23198627	139.852	300	ug/ml
Aliphatic C21-C28	13.773	17.442	22254021	149.831	400	ug/ml
Aliphatic C28-C40	17.443	22.448	43527930	319.467	600	ug/ml
Aliphatic EPH	3.311	22.448	109555662	749.482		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4297189	30.79		ug/ml
Aliphatic C9-C28	3.311	17.442	66027732	430.015	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FD100225AR

AreaCount

Parameter Range	FD049791.D	FD049792.D	FD049793.D	FD049794.D	FD049795.D	
Aromatic C10-C12	25427460.000	12246862.000	4558465.000	2308235.000	1349679.000	
Aromatic C12-C16	44219117.000	21369355.000	7997923.000	4074363.000	2367349.000	
Aromatic C16-C21	58880353.000	28489474.000	10565292.000	5373434.000	3096151.000	
Aromatic C21-C36	113279188.000	55536652.000	20589877.000	10574479.000	6207569.000	
Aromatic EPH	241806118.000	117642343.000	43711557.000	22330511.000	13020748.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	122789.439	7.049				
Aromatic C12-C16	143358.7013328	6.839				
Aromatic C16-C21	142171.5605	6.566				
Aromatic C21-C36	123821.7882218	7.367				
Aromatic EPH	131040.9621106	7.017				

Concentration

Parameter Range	FD049791.D	FD049792.D	FD049793.D	FD049794.D	FD049795.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD049791.D	FD049792.D	FD049793.D	FD049794.D	FD049795.D	
Aromatic C10-C12	127137.300000	122468.620000	113961.625000	115411.750000	134967.900000	
Aromatic C12-C16	147397.056666	142462.366666	133298.716666	135812.100000	157823.266666	
Aromatic C16-C21	147200.882500	142447.370000	132066.150000	134335.850000	154807.550000	
Aromatic C21-C36	125865.764444	123414.782222	114388.205555	117494.211111	137945.977777	
Aromatic EPH	134336.732222	130713.714444	121420.991666	124058.394444	144674.977777	

Initial Calibration Report for SequenceID : FE092425AL

AreaCount

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	37542791.000	22892697.000	8462672.000	4191009.000	2124515.000	
Aliphatic C12-C16	28448375.000	15981763.000	6036724.000	3116285.000	1580906.000	
Aliphatic C16-C21	47319022.000	24326712.000	9480340.000	5176882.000	2683832.000	
Aliphatic C21-C28	56499296.000	28330990.000	11268637.000	6189034.000	3282975.000	
Aliphatic C28-C40	72708634.000	38000593.000	15509370.000	8760386.000	4744762.000	
Aliphatic EPH	242518118.000	129532755.000	50757743.000	27433596.000	14416990.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	140027.9566664	6.995				
Aliphatic C12-C16	153376.491	4.607				
Aliphatic C16-C21	165879.737333	5.694				
Aliphatic C21-C28	148527.1505	7.073				
Aliphatic C28-C40	136251.923333	11.27				
Aliphatic EPH	146449.7892216	6.809				

Concentration

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	125142.636666	152617.980000	141044.533333	139700.300000	141634.333333	
Aliphatic C12-C16	142241.875000	159817.630000	150918.100000	155814.250000	158090.600000	
Aliphatic C16-C21	157730.073333	162178.080000	158005.666666	172562.733333	178922.133333	

Initial Calibration Report for SequenceID : FE092425AL

Aliphatic C21-C28	141248.240000	141654.950000	140857.962500	154725.850000	164148.750000	
Aliphatic C28-C40	121181.056666	126668.643333	129244.750000	146006.433333	158158.733333	
Aliphatic EPH	134732.287777	143925.283333	140993.730555	152408.866666	160188.777777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055967.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:39
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.411	3.380	3.455	BB	285220	2817872	76.82%	4.404%
2	4.668	4.624	4.720	BB	293455	2859346	77.95%	4.469%
3	6.388	6.357	6.477	BB	331697	3249421	88.58%	5.078%
4	6.843	6.800	6.897	BB	299925	2929821	79.87%	4.579%
5	7.488	7.447	7.579	BB	314271	3143650	85.70%	4.913%
6	8.680	8.645	8.745	BB	288401	2980588	81.25%	4.658%
7	10.295	10.255	10.355	BB	293683	3166204	86.31%	4.948%
8	11.745	11.699	11.804	BB	293541	3336057	90.94%	5.214%
9	12.071	12.030	12.120	BB	352970	3668282	100.00%	5.733%
10	13.060	13.022	13.119	BB	272237	3245046	88.46%	5.071%
11	13.508	13.472	13.565	BB	231703	2728050	74.37%	4.263%
12	13.674	13.637	13.734	BB	270029	3169164	86.39%	4.953%
13	14.262	14.227	14.330	BB	262720	3099587	84.50%	4.844%
14	15.369	15.332	15.430	BB	232304	2928176	79.82%	4.576%
15	16.393	16.332	16.459	BB	214476	2744599	74.82%	4.289%
16	17.346	17.275	17.412	BB	200293	2675215	72.93%	4.181%
17	18.236	18.170	18.300	BB	214339	2835374	77.29%	4.431%
18	19.070	19.000	19.120	BB	215278	2865562	78.12%	4.478%
19	19.855	19.800	19.917	BB	193722	2719117	74.13%	4.250%
20	20.597	20.550	20.637	BV	169926	2416072	65.86%	3.776%
21	21.374	21.300	21.480	BB	127571	2366982	64.53%	3.699%
22	22.357	22.275	22.429	BB	81304	2042298	55.67%	3.192%
Sum of corrected areas:						63986485		

Aliphatic EPH 092425.M Wed Sep 24 15:38:29 2025

Continuing Calibration Report for SequenceID : FD100225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049798.D

Aromatic C10-C12	4619689.000	40.000	4.389	6.131	115492.225	122789.439	5.943
Aromatic C12-C16	8072201.000	60.000	6.132	8.759	134536.683	143358.701	6.154
Aromatic C16-C21	10659760.000	80.000	8.760	13.049	133247.000	142171.561	6.277
Aromatic C21-C36	20256445.000	180.000	13.050	18.468	112535.806	123821.788	9.115
Aromatic EPH	43608095.000	360.000	4.389	18.468	121133.597	131040.962	7.561

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	02 Oct 2025 14:35
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049798.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.389	6.131	4619689.000	40.000	ug/ml
Aromatic C12-C16	6.132	8.759	8072201.000	60.000	ug/ml
Aromatic C16-C21	8.760	13.049	10659760.000	80.000	ug/ml
Aromatic C21-C36	13.050	18.468	20256445.000	180.000	ug/ml
Aromatic EPH	4.389	18.468	43608095.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD100225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049811.D

Aromatic C10-C12	4706995.000	40.000	4.389	6.131	117674.875	122789.439	4.165
Aromatic C12-C16	8303318.000	60.000	6.132	8.759	138388.633	143358.701	3.467
Aromatic C16-C21	10980590.000	80.000	8.760	13.049	137257.375	142171.561	3.457
Aromatic C21-C36	20756349.000	180.000	13.050	18.468	115313.050	123821.788	6.872
Aromatic EPH	44747252.000	360.000	4.389	18.468	124297.922	131040.962	5.146

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	03 Oct 2025 01:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049811.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.389	6.131	4706995.000	40.000	ug/ml
Aromatic C12-C16	6.132	8.759	8303318.000	60.000	ug/ml
Aromatic C16-C21	8.760	13.049	10980590.000	80.000	ug/ml
Aromatic C21-C36	13.050	18.468	20756349.000	180.000	ug/ml
Aromatic EPH	4.389	18.468	44747252.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE100225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056147.D

Aliphatic C9-C12	7965010.000	60.000	3.311	6.945	132750.167	140027.957	5.197
Aliphatic C12-C16	6502829.000	40.000	6.946	10.395	162570.725	153376.491	-5.995
Aliphatic C16-C21	10562347.000	60.000	10.396	13.772	176039.117	165879.737	-6.125
Aliphatic C21-C28	12151939.000	80.000	13.773	17.442	151899.238	148527.151	-2.270
Aliphatic C28-C40	16261900.000	120.000	17.443	22.448	135515.833	136251.923	0.540
Aliphatic EPH	53444025.000	360.000	3.311	22.448	148455.625	146449.789	-1.370

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Oct 2025 12:13
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056147.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.311	6.945	7965010.000	60.000	ug/ml
Aliphatic C12-C16	6.946	10.395	6502829.000	40.000	ug/ml
Aliphatic C16-C21	10.396	13.772	10562347.000	60.000	ug/ml
Aliphatic C21-C28	13.773	17.442	12151939.000	80.000	ug/ml
Aliphatic C28-C40	17.443	22.448	16261900.000	120.000	ug/ml
Aliphatic EPH	3.311	22.448	53444025.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE100225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056160.D

Aliphatic C9-C12	8211859.000	60.000	3.311	6.945	136864.317	140027.957	2.259
Aliphatic C12-C16	6753799.000	40.000	6.946	10.395	168844.975	153376.491	-10.085
Aliphatic C16-C21	11048212.000	60.000	10.396	13.772	184136.867	165879.737	-11.006
Aliphatic C21-C28	12784235.000	80.000	13.773	17.442	159802.938	148527.151	-7.592
Aliphatic C28-C40	17078354.000	120.000	17.443	22.448	142319.617	136251.923	-4.453
Aliphatic EPH	55876459.000	360.000	3.311	22.448	155212.386	146449.789	-5.983

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Oct 2025 22:06
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056160.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.311	6.945	8211859.000	60.000	ug/ml
Aliphatic C12-C16	6.946	10.395	6753799.000	40.000	ug/ml
Aliphatic C16-C21	10.396	13.772	11048212.000	60.000	ug/ml
Aliphatic C21-C28	13.773	17.442	12784235.000	80.000	ug/ml
Aliphatic C28-C40	17.443	22.448	17078354.000	120.000	ug/ml
Aliphatic EPH	3.311	22.448	55876459.000	360.000	ug/ml