

Report of Analysis

Client:	PSEG	Date Collected:	05/27/25
Project:	PSEG Durham Ave Test Pits	Date Received:	05/27/25
Client Sample ID:	TP-3	SDG No.:	Q2130
Lab Sample ID:	Q2130-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/28/25 08:55	05/29/25 12:32	PB168176

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	48.0		5	6.53	11.1	mg/kg	FE054067.D
Aliphatic C9-C28	Aliphatic C9-C28	3.42	J	1	1.01	4.43	mg/kg	FE054065.D
Total AliphaticEPH	Total AliphaticEPH	51.4			7.54	15.5	mg/kg	
Total EPH	Total EPH	51.4			7.54	15.5	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	PSEG	Date Collected:	05/27/25
Project:	PSEG Durham Ave Test Pits	Date Received:	05/27/25
Client Sample ID:	TP-3	SDG No.:	Q2130
Lab Sample ID:	Q2130-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054065.D	1	05/28/25	05/29/25	PB168176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.42	J	1.01	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	46.0	E	1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.8		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2130-01	Acq On:	29 May 2025 11:31
Client Sample ID:	TP-3	Operator:	YP\AJ
Data file:	FE054065.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.088	6.732	488980	3.607	300	ug/ml
Aliphatic C12-C16	6.733	10.179	995155	7.375	200	ug/ml
Aliphatic C16-C21	10.180	13.553	1120118	8.491	300	ug/ml
Aliphatic C21-C28	13.554	17.219	3337849	26.88	400	ug/ml
Aliphatic C28-C40	17.220	22.092	72074848	624.399	600	ug/ml
Aliphatic EPH	3.088	22.092	78016950	670.752		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	4842890	29.8		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	3863370	32.59		ug/ml
Aliphatic C9-C28	3.088	17.219	5942102	46.353	1200	ug/ml