

Report of Analysis

Client:	PSEG	Date Collected:	08/29/25
Project:	Hackensack Sub HQ	Date Received:	08/29/25
Client Sample ID:	309	SDG No.:	Q2991
Lab Sample ID:	Q2991-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/02/25 10:30	09/03/25 9:26	PB169491

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4520		50	353	598	mg/kg FG016513.D
Aliphatic C9-C28	Aliphatic C9-C28	3670		10	54.5	240	mg/kg FG016498.D
Total AliphaticEPH	Total AliphaticEPH	8200			407	838	mg/kg
Total EPH	Total EPH	8200			407	838	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:	08/29/25
Project:	Hackensack Sub HQ	Date Received:	08/29/25
Client Sample ID:	309	SDG No.:	Q2991
Lab Sample ID:	Q2991-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.01 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
FG016498.D	10	09/02/25	09/02/25	PB169491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3670		54.5	240	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4190	E	70.7	119	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.45		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.92		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2991-01	Acq On:	02 Sep 2025 14:43
Client Sample ID:	309	Operator:	YP\AJ
Data file:	FG016498.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.289	6.931	9953433	86.741	300	ug/ml
Aliphatic C12-C16	6.932	10.390	6865621	58.494	200	ug/ml
Aliphatic C16-C21	10.391	13.780	6510429	55.42	300	ug/ml
Aliphatic C21-C28	13.781	17.465	80406841	719.278	400	ug/ml
Aliphatic C28-C40	17.466	22.506	95360525	1050	600	ug/ml
Aliphatic EPH	3.289	22.506	199096849	1970		ug/ml
ortho-Terphenyl (SURR)	12.068	12.068	519412	3.92		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	548555	5.45		ug/ml
Aliphatic C9-C28	3.289	17.465	103736324	919.933	1200	ug/ml