

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Secaucus HQ	Date Received:	
Client Sample ID:	PB169650BS	SDG No.:	Q3072
Lab Sample ID:	PB169650BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/11/25 10:00	09/11/25 16:05	PB169650

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.5		1	1.18	2.00	mg/kg	FG016596.D
Aliphatic C9-C28	Aliphatic C9-C28	73.8		1	0.91	3.99	mg/kg	FG016596.D
Total AliphaticEPH	Total AliphaticEPH	101			2.09	5.99	mg/kg	
Total EPH	Total EPH	101			2.09	5.99	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

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Project:	Secaucus HQ	Date Received:	
Client Sample ID:	PB169650BS	SDG No.:	Q3072
Lab Sample ID:	PB169650BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016596.D	1	09/11/25	09/11/25	PB169650

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	73.8		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.7		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169650BS	Acq On:	11 Sep 2025 16:05
Client Sample ID:	PB169650BS	Operator:	YP\AJ
Data file:	FG016596.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.283	6.926	23365404	203.622	300	ug/ml
Aliphatic C12-C16	6.927	10.386	29754623	253.504	200	ug/ml
Aliphatic C16-C21	10.387	13.776	33615043	286.148	300	ug/ml
Aliphatic C21-C28	13.777	17.463	40658071	363.706	400	ug/ml
Aliphatic C28-C40	17.464	22.506	37507021	412.689	600	ug/ml
Aliphatic EPH	3.283	22.506	164900162	1520		ug/ml
ortho-Terphenyl (SURR)	12.067	12.067	5523083	41.72		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4282447	42.54		ug/ml
Aliphatic C9-C28	3.283	17.463	127393141	1110	1200	ug/ml