

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	Secaucus HQ	Date Received:	09/24/25
Client Sample ID:	RB22120	SDG No.:	Q3188
Lab Sample ID:	Q3188-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/25/25 10:00	09/25/25 17:16	PB169828

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	50.9			2.22	6.38	mg/kg
Total EPH	Total EPH	50.9			2.22	6.38	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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Total EPH	Total EPH	50.9			2.22	6.38	mg/kg

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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055999.D	1	09/25/25	09/25/25	PB169828

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	44.2		0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.94		1.25	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3188-02	Acq On:	25 Sep 2025 17:16
Client Sample ID:	RB22120	Operator:	YP\AJ
Data file:	FE055999.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.942	657427	4.695	300	ug/ml
Aliphatic C12-C16	6.943	10.393	14142633	92.209	200	ug/ml
Aliphatic C16-C21	10.394	13.773	58803402	354.494	300	ug/ml
Aliphatic C21-C28	13.774	17.445	25508573	171.744	400	ug/ml
Aliphatic C28-C40	17.446	22.457	15269286	112.067	600	ug/ml
Aliphatic EPH	3.308	22.457	114381321	735.208		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	5653222	30.13		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	6633527	47.53		ug/ml
Aliphatic C9-C28	3.308	17.445	99112035	623.142	1200	ug/ml