

Report of Analysis

Client:	PSEG	Date Collected:	10/08/25
Project:	Hackensack Sub HQ	Date Received:	10/08/25
Client Sample ID:	72-11989	SDG No.:	Q3315
Lab Sample ID:	Q3315-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/09/25 09:55	10/09/25 14:22	PB170039

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	21.2		1	1.23	2.08	mg/kg FE056272.D
Aliphatic C9-C28	Aliphatic C9-C28	6.71		1	0.95	4.16	mg/kg FE056272.D
Total AliphaticEPH	Total AliphaticEPH	27.9			2.17	6.24	mg/kg
Total EPH	Total EPH	27.9			2.17	6.24	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056272.D	1	10/09/25	10/09/25	PB170039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.71		0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.2		1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3315-03	Acq On:	09 Oct 2025 14:22
Client Sample ID:	72-11989	Operator:	YP\AJ
Data file:	FE056272.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	3.305	6.938	576482	4.117	300	ug/ml
Aliphatic C12-C16	6.939	10.388	1973792	12.869	200	ug/ml
Aliphatic C16-C21	10.389	13.765	4200051	25.32	300	ug/ml
Aliphatic C21-C28	13.766	17.434	8101808	54.548	400	ug/ml
Aliphatic C28-C40	17.435	22.434	41717747	306.181	600	ug/ml
Aliphatic EPH	3.305	22.434	56569880	403.034		ug/ml
ortho-Terphenyl (SURR)	12.066	12.066	6247450	33.29		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	4985014	35.72		ug/ml
Aliphatic C9-C28	3.305	17.434	14852133	96.854	1200	ug/ml