

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	Hackensack Sub HQ	Date Received:	09/24/25
Client Sample ID:	72-11989-E2	SDG No.:	Q3189
Lab Sample ID:	Q3189-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

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

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	1.22	2.06	mg/kg	FE055997.D
Aliphatic C9-C28	Aliphatic C9-C28	2.71	J	1	0.94	4.13	mg/kg	FE055997.D
Total AliphaticEPH	Total AliphaticEPH	27.2			2.16	6.19	mg/kg	
Total EPH	Total EPH	27.2			2.16	6.19	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055997.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	2.71	J	0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1.22	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.4		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3189-02	Acq On:	25 Sep 2025 16:09
Client Sample ID:	72-11989-E2	Operator:	YP\AJ
Data file:	FE055997.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.942	425150	3.036	300	ug/ml
Aliphatic C12-C16	6.943	10.393	720243	4.696	200	ug/ml
Aliphatic C16-C21	10.394	13.773	1427322	8.605	300	ug/ml
Aliphatic C21-C28	13.774	17.445	3428582	23.084	400	ug/ml
Aliphatic C28-C40	17.446	22.457	48428655	355.435	600	ug/ml
Aliphatic EPH	3.308	22.457	54429952	394.855		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	6637235	35.37		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	5347870	38.32		ug/ml
Aliphatic C9-C28	3.308	17.445	6001297	39.421	1200	ug/ml