

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	Clifton HQ	Date Received:	09/24/25
Client Sample ID:	228	SDG No.:	Q3187
Lab Sample ID:	Q3187-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
Sample Wt/Vol:	30.01	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 14:37	PB169828

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	75.7		10	12.9	21.8	mg/kg FE055994.D
Aliphatic C9-C28	Aliphatic C9-C28	7920		200	198	872	mg/kg FE055998.D
Total AliphaticEPH	Total AliphaticEPH	7990			211	894	mg/kg
Total EPH	Total EPH	7990			211	894	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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Lab Sample ID:	Q3187-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
Sample Wt/Vol:	30.01 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
FE055994.D	10	09/25/25	09/25/25	PB169828

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8140	E	9.93	43.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	75.7		12.9	21.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3187-01	Acq On:	25 Sep 2025 14:37
Client Sample ID:	228	Operator:	YP\AJ
Data file:	FE055994.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.942	2050170	14.641	300	ug/ml
Aliphatic C12-C16	6.943	10.393	170358720	1110	200	ug/ml
Aliphatic C16-C21	10.394	13.773	1288917360	7770	300	ug/ml
Aliphatic C21-C28	13.774	17.445	341183614	2300	400	ug/ml
Aliphatic C28-C40	17.446	22.457	14178083	104.058	600	ug/ml
Aliphatic EPH	3.308	22.457	1816687947	11300		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.308	17.445	1802509864	11200	1200	ug/ml