

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	Clifton HQ	Date Received:	09/24/25
Client Sample ID:	228-E2	SDG No.:	Q3187
Lab Sample ID:	Q3187-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/25/25 10:00	09/25/25 18:18	PB169828

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	115		5	6.73	11.4	mg/kg FE056001.D
Aliphatic C9-C28	Aliphatic C9-C28	17000		500	519	2280	mg/kg FE056002.D
Total AliphaticEPH	Total AliphaticEPH	17100			526	2290	mg/kg
Total EPH	Total EPH	17100			526	2290	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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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055995.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	16900	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	114	E	1.35	2.28	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:	Q3187-02	Acq On:	25 Sep 2025 15:08
Client Sample ID:	228-E2	Operator:	YP\AJ
Data file:	FE055995.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.942	42450335	303.156	300	ug/ml
Aliphatic C12-C16	6.943	10.393	2508719321	16400	200	ug/ml
Aliphatic C16-C21	10.394	13.773	25038759373	151000	300	ug/ml
Aliphatic C21-C28	13.774	17.445	8163270589	55000	400	ug/ml
Aliphatic C28-C40	17.446	22.457	204798400	1500	600	ug/ml
Aliphatic EPH	3.308	22.457	35957998018	225000		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	35753199618	223000	1200	ug/ml