

Report of Analysis

Client:	PSEG	Date Collected:	09/10/25
Project:	Clifton HQ	Date Received:	09/10/25
Client Sample ID:	354-EPH-2	SDG No.:	Q3066
Lab Sample ID:	Q3066-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/11/25 10:00	09/11/25 17:11	PB169650

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	9.82		1	1.24	2.10	mg/kg FE055773.D
Aliphatic C9-C28	Aliphatic C9-C28	4.58		1	0.96	4.20	mg/kg FE055773.D
Total AliphaticEPH	Total AliphaticEPH	14.4			2.20	6.30	mg/kg
Total EPH	Total EPH	14.4			2.20	6.30	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
FE055773.D	1	09/11/25	09/11/25	PB169650

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.58		0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.82		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3066-02	Acq On:	11 Sep 2025 17:11
Client Sample ID:	354-EPH-2	Operator:	YP\AJ
Data file:	FE055773.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	3.313	6.946	423315	3.297	300	ug/ml
Aliphatic C12-C16	6.947	10.398	761331	5.636	200	ug/ml
Aliphatic C16-C21	10.399	13.776	5297387	36.732	300	ug/ml
Aliphatic C21-C28	13.777	17.448	2819299	19.683	400	ug/ml
Aliphatic C28-C40	17.449	22.459	19303828	140.168	600	ug/ml
Aliphatic EPH	3.313	22.459	28605160	205.515		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	5289764	32.2		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4151481	33.2		ug/ml
Aliphatic C9-C28	3.313	17.448	9301332	65.348	1200	ug/ml