

Report of Analysis

Client:	PSEG	Date Collected:	09/10/25
Project:	Clifton HQ	Date Received:	09/10/25
Client Sample ID:	VNJ-242	SDG No.:	Q3066
Lab Sample ID:	Q3066-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.07	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	09/12/25 8:16	PB169650

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	119		5	6.43	10.9	mg/kg FE055789.D
Aliphatic C9-C28	Aliphatic C9-C28	16.6		1	0.99	4.36	mg/kg FE055774.D
Total AliphaticEPH	Total AliphaticEPH	136			7.42	15.3	mg/kg
Total EPH	Total EPH	136			7.42	15.3	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
FE055774.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	16.6		0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	127	E	1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3066-03	Acq On:	11 Sep 2025 17:41
Client Sample ID:	VNJ-242	Operator:	YP\AJ
Data file:	FE055774.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.946	911325	7.097	300	ug/ml
Aliphatic C12-C16	6.947	10.398	2153415	15.94	200	ug/ml
Aliphatic C16-C21	10.399	13.776	7150477	49.581	300	ug/ml
Aliphatic C21-C28	13.777	17.448	22232808	155.218	400	ug/ml
Aliphatic C28-C40	17.449	22.459	242030244	1760	600	ug/ml
Aliphatic EPH	3.313	22.459	274478269	1990		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5801588	35.31		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4671241	37.36		ug/ml
Aliphatic C9-C28	3.313	17.448	32448025	227.836	1200	ug/ml