

Report of Analysis

Client:	PSEG	Date Collected:	09/19/25
Project:	Chestnut St OP	Date Received:	09/19/25
Client Sample ID:	SP-A-EPH-2	SDG No.:	Q3145
Lab Sample ID:	Q3145-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 10:00	09/23/25 2:33	PB169775

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.6		1	1.38	2.33	mg/kg FE055944.D
Aliphatic C9-C28	Aliphatic C9-C28	6.40		1	1.06	4.68	mg/kg FE055944.D
Total AliphaticEPH	Total AliphaticEPH	18.0			2.44	7.01	mg/kg
Total EPH	Total EPH	18.0			2.44	7.01	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

Report of Analysis

Client:	PSEG	Date Collected:	09/19/25
Project:	Chestnut St OP	Date Received:	09/19/25
Client Sample ID:	SP-A-EPH-2	SDG No.:	Q3145
Lab Sample ID:	Q3145-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.05 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
FE055944.D	1	09/22/25	09/23/25	PB169775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.40		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.6		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.7		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.2		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3145-02	Acq On:	23 Sep 2025 02:33
Client Sample ID:	SP-A-EPH-2	Operator:	YP\AJ
Data file:	FE055944.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	432515	3.368	300	ug/ml
Aliphatic C12-C16	6.948	10.400	1054366	7.805	200	ug/ml
Aliphatic C16-C21	10.401	13.780	6774571	46.975	300	ug/ml
Aliphatic C21-C28	13.781	17.452	3460242	24.158	400	ug/ml
Aliphatic C28-C40	17.453	22.472	20468829	148.627	600	ug/ml
Aliphatic EPH	3.312	22.472	32190523	230.932		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	5129220	31.22		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	3959262	31.66		ug/ml
Aliphatic C9-C28	3.312	17.452	11721694	82.306	1200	ug/ml