

Report of Analysis

Client:	PSEG	Date Collected:	09/29/25
Project:	Pennsauken M&R	Date Received:	09/29/25
Client Sample ID:	12-1-EPH-B	SDG No.:	Q3245
Lab Sample ID:	Q3245-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/30/25 10:10	10/01/25 3:55	PB169910

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1	1.31	2.23	mg/kg FE056111.D
Aliphatic C9-C28	Aliphatic C9-C28	5.71		1	1.01	4.45	mg/kg FE056111.D
Total AliphaticEPH	Total AliphaticEPH	27.9			2.32	6.68	mg/kg
Total EPH	Total EPH	27.9			2.32	6.68	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:	09/29/25
Project:	Pennsauken M&R	Date Received:	09/29/25
Client Sample ID:	12-1-EPH-B	SDG No.:	Q3245
Lab Sample ID:	Q3245-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.09 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
FE056111.D	1	09/30/25	10/01/25	PB169910

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.71		1.01	4.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3245-20	Acq On:	01 Oct 2025 03:55
Client Sample ID:	12-1-EPH-B	Operator:	YP\AJ
Data file:	FE056111.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	556738	3.976	300	ug/ml
Aliphatic C12-C16	6.948	10.397	1430797	9.329	200	ug/ml
Aliphatic C16-C21	10.398	13.775	7257713	43.753	300	ug/ml
Aliphatic C21-C28	13.776	17.446	2948308	19.85	400	ug/ml
Aliphatic C28-C40	17.447	22.455	40758445	299.14	600	ug/ml
Aliphatic EPH	3.314	22.455	52952001	376.048		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	5608418	29.89		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4442707	31.83		ug/ml
Aliphatic C9-C28	3.314	17.446	12193556	76.908	1200	ug/ml