

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-E	SDG No.:	Q3245
Lab Sample ID:	Q3245-23	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.4
Sample Wt/Vol:	30.03	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 5:26	PB169910

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.4		1	1.30	2.21	mg/kg	FE056114.D
Aliphatic C9-C28	Aliphatic C9-C28	2.13	J	1	1.01	4.43	mg/kg	FE056114.D
Total AliphaticEPH	Total AliphaticEPH	18.5			2.31	6.64	mg/kg	
Total EPH	Total EPH	18.5			2.31	6.64	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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Analytical Method:	NJEPH	% Solid:	90.4
Sample Wt/Vol:	30.03 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
FE056114.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	2.13	J	1.01	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.4		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3245-23	Acq On:	01 Oct 2025 05:26
Client Sample ID:	12-1-EPH-E	Operator:	YP\AJ
Data file:	FE056114.D	Misc:	
Instrument:	FID_E	ALS Vial:	37
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	396308	2.83	300	ug/ml
Aliphatic C12-C16	6.948	10.397	1198798	7.816	200	ug/ml
Aliphatic C16-C21	10.398	13.775	1107342	6.676	300	ug/ml
Aliphatic C21-C28	13.776	17.446	1720643	11.585	400	ug/ml
Aliphatic C28-C40	17.447	22.455	30351476	222.76	600	ug/ml
Aliphatic EPH	3.314	22.455	34774567	251.667		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	5626517	29.98		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4409914	31.6		ug/ml
Aliphatic C9-C28	3.314	17.446	4423091	28.907	1200	ug/ml