

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-15B	SDG No.:	Q2207
Lab Sample ID:	Q2207-44	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/05/25 10:10	06/05/25 21:21	PB168301

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.12		1	1.43	2.43	mg/kg	FG015946.D
Aliphatic C9-C28	Aliphatic C9-C28	1.73	J	1	1.11	4.85	mg/kg	FG015946.D
Total AliphaticEPH	Total AliphaticEPH	7.85			2.54	7.28	mg/kg	
Total EPH	Total EPH	7.85			2.54	7.28	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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Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-15B	SDG No.:	Q2207
Lab Sample ID:	Q2207-44	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.2
Sample Wt/Vol:	30.04 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
FG015946.D	1	06/05/25	06/05/25	PB168301

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.73	J	1.11	4.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.12		1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.9		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.9		40 - 140	100%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-44	Acq On:	05 Jun 2025 21:21
Client Sample ID:	BU-703-15B	Operator:	YP\AJ
Data file:	FG015946.D	Misc:	
Instrument:	FID_G	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	347335	3.06	300	ug/ml
Aliphatic C12-C16	6.766	10.215	572495	4.905	200	ug/ml
Aliphatic C16-C21	10.216	13.591	401901	3.289	300	ug/ml
Aliphatic C21-C28	13.592	17.262	1212256	10.09	400	ug/ml
Aliphatic C28-C40	17.263	22.162	8339477	75.516	600	ug/ml
Aliphatic EPH	3.120	22.162	10873464	96.859		ug/ml
ortho-Terphenyl (SURR)	11.878	11.878	7421347	49.85		ug/ml
1-chlorooctadecane (SURR)	13.323	13.323	6210418	53.91		ug/ml
Aliphatic C9-C28	3.120	17.262	2533987	21.344	1200	ug/ml