

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-15A	SDG No.:	Q2207
Lab Sample ID:	Q2207-43	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/05/25 10:10	06/05/25 20:51	PB168301

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.63		1	1.34	2.28	mg/kg FG015945.D
Aliphatic C9-C28	Aliphatic C9-C28	4.88		1	1.04	4.56	mg/kg FG015945.D
Total AliphaticEPH	Total AliphaticEPH	10.5			2.38	6.84	mg/kg
Total EPH	Total EPH	10.5			2.38	6.84	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:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-15A	SDG No.:	Q2207
Lab Sample ID:	Q2207-43	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
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
FG015945.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	4.88		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.63		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.6		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.4		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-43	Acq On:	05 Jun 2025 20:51
Client Sample ID:	BU-703-15A	Operator:	YP\AJ
Data file:	FG015945.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	246699	2.173	300	ug/ml
Aliphatic C12-C16	6.766	10.215	558158	4.782	200	ug/ml
Aliphatic C16-C21	10.216	13.591	6993254	57.228	300	ug/ml
Aliphatic C21-C28	13.592	17.262	906379	7.544	400	ug/ml
Aliphatic C28-C40	17.263	22.162	8176696	74.042	600	ug/ml
Aliphatic EPH	3.120	22.162	16881186	145.769		ug/ml
ortho-Terphenyl (SURR)	11.878	11.878	6612642	44.41		ug/ml
1-chlorooctadecane (SURR)	13.322	13.322	5479113	47.56		ug/ml
Aliphatic C9-C28	3.120	17.262	8704490	71.727	1200	ug/ml