

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-04A	SDG No.:	Q2207
Lab Sample ID:	Q2207-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
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 08:30	06/05/25 18:15	PB168297

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.96		1	1.38	2.34	mg/kg FE054198.D
Aliphatic C9-C28	Aliphatic C9-C28	10.8		1	1.06	4.68	mg/kg FE054198.D
Total AliphaticEPH	Total AliphaticEPH	19.7			2.44	7.02	mg/kg
Total EPH	Total EPH	19.7			2.44	7.02	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-703-04A	SDG No.:	Q2207
Lab Sample ID:	Q2207-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
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
FE054198.D	1	06/05/25	06/05/25	PB168297

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.8		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.96		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.4		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.7		40 - 140	103%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-12	Acq On:	05 Jun 2025 18:15
Client Sample ID:	BU-703-04A	Operator:	YP\AJ
Data file:	FE054198.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.084	6.729	263237	1.942	300	ug/ml
Aliphatic C12-C16	6.730	10.176	810890	6.009	200	ug/ml
Aliphatic C16-C21	10.177	13.550	16010359	121.373	300	ug/ml
Aliphatic C21-C28	13.551	17.218	1378789	11.103	400	ug/ml
Aliphatic C28-C40	17.219	22.088	13286691	115.105	600	ug/ml
Aliphatic EPH	3.084	22.088	31749966	255.532		ug/ml
ortho-Terphenyl (SURR)	11.839	11.839	8395058	51.66		ug/ml
1-chlorooctadecane (SURR)	13.284	13.284	7037257	59.36		ug/ml
Aliphatic C9-C28	3.084	17.218	18463275	140.427	1200	ug/ml