

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-07A	SDG No.:	Q2207
Lab Sample ID:	Q2207-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.01	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 15:54	PB168297

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.34		1	1.35	2.29	mg/kg	FG015937.D
Aliphatic C9-C28	Aliphatic C9-C28	4.57	U	1	1.04	4.57	mg/kg	FG015937.D
Total AliphaticEPH	Total AliphaticEPH	7.34			2.39	6.86	mg/kg	
Total EPH	Total EPH	7.34			2.39	6.86	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
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Lab Sample ID:	Q2207-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.01 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
FG015937.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	0.000	U	1.04	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.34		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.0		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-21	Acq On:	05 Jun 2025 15:54
Client Sample ID:	BU-703-07A	Operator:	YP\AJ
Data file:	FG015937.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	191100	1.683	300	ug/ml
Aliphatic C12-C16	6.766	10.215	459796	3.939	200	ug/ml
Aliphatic C16-C21	10.216	13.591	306285	2.506	300	ug/ml
Aliphatic C21-C28	13.592	17.262	765716	6.373	400	ug/ml
Aliphatic C28-C40	17.263	22.162	10633652	96.29	600	ug/ml
Aliphatic EPH	3.120	22.162	12356549	110.792		ug/ml
ortho-Terphenyl (SURR)	11.879	11.879	5512068	37.02		ug/ml
1-chlorooctadecane (SURR)	13.323	13.323	4597525	39.91		ug/ml
Aliphatic C9-C28	3.120	17.262	1722897	14.501	1200	ug/ml