

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-02B	SDG No.:	Q2207
Lab Sample ID:	Q2207-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/05/25 08:30	06/05/25 22:27	PB168297

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.21		1	1.31	2.22	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	5.57		1	1.01	4.44	mg/kg
Total AliphaticEPH	Total AliphaticEPH	8.78			2.32	6.66	mg/kg
Total EPH	Total EPH	8.78			2.32	6.66	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:	90.1
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
FC069094.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	5.57		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.21		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.1		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.5		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-06	Acq On:	05 Jun 2025 22:27
Client Sample ID:	BU-703-02B	Operator:	YP/AJ
Data file:	FC069094.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.603	323414	3.059	300	ug/ml
Aliphatic C12-C16	6.604	10.008	574032	5.629	200	ug/ml
Aliphatic C16-C21	10.009	13.380	5503723	56.238	300	ug/ml
Aliphatic C21-C28	13.381	17.047	969054	10.331	400	ug/ml
Aliphatic C28-C40	17.048	22.036	4099845	43.413	600	ug/ml
Aliphatic EPH	3.301	22.036	11470068	118.669		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4878877	39.55		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3779962	42.13		ug/ml
Aliphatic C9-C28	3.301	17.047	7370223	75.257	1200	ug/ml