

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-08B	SDG No.:	Q2207
Lab Sample ID:	Q2207-24	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74
Sample Wt/Vol:	30.05	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 17:23	PB168297

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.14		1	1.59	2.70	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	5.74		1	1.23	5.40	mg/kg
Total AliphaticEPH	Total AliphaticEPH	13.9			2.82	8.10	mg/kg
Total EPH	Total EPH	13.9			2.82	8.10	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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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
FG015940.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	5.74		1.23	5.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.14		1.59	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.8		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-24	Acq On:	05 Jun 2025 17:23
Client Sample ID:	BU-703-08B	Operator:	YP\AJ
Data file:	FG015940.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	173952	1.532	300	ug/ml
Aliphatic C12-C16	6.766	10.215	600998	5.149	200	ug/ml
Aliphatic C16-C21	10.216	13.591	6023057	49.289	300	ug/ml
Aliphatic C21-C28	13.592	17.262	1131840	9.421	400	ug/ml
Aliphatic C28-C40	17.263	22.162	9992310	90.483	600	ug/ml
Aliphatic EPH	3.120	22.162	17922157	155.873		ug/ml
ortho-Terphenyl (SURR)	11.879	11.879	6053790	40.66		ug/ml
1-chlorooctadecane (SURR)	13.325	13.325	5625689	48.83		ug/ml
Aliphatic C9-C28	3.120	17.262	7929847	65.391	1200	ug/ml