

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-14A	SDG No.:	Q2207
Lab Sample ID:	Q2207-41	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.01 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 23:19	PB168301

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.72		1	1.38	2.34	mg/kg	FE054208.D
Aliphatic C9-C28	Aliphatic C9-C28	1.25	J	1	1.07	4.68	mg/kg	FE054208.D
Total AliphaticEPH	Total AliphaticEPH	4.97	J		2.45	7.02	mg/kg	
Total EPH	Total EPH	4.97	J		2.45	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

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Analytical Method:	NJEPH	% Solid:	85.3
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
FE054208.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	1.25	J	1.07	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.72		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.4		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-41	Acq On:	05 Jun 2025 23:19
Client Sample ID:	BU-703-14A	Operator:	YP\AJ
Data file:	FE054208.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.084	6.729	233822	1.725	300	ug/ml
Aliphatic C12-C16	6.730	10.176	591394	4.383	200	ug/ml
Aliphatic C16-C21	10.177	13.550	424996	3.222	300	ug/ml
Aliphatic C21-C28	13.551	17.218	1050618	8.461	400	ug/ml
Aliphatic C28-C40	17.219	22.088	5492670	47.584	600	ug/ml
Aliphatic EPH	3.084	22.088	7793500	65.374		ug/ml
ortho-Terphenyl (SURR)	11.835	11.835	6349143	39.07		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	5257952	44.35		ug/ml
Aliphatic C9-C28	3.084	17.218	2300830	17.791	1200	ug/ml