

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-02A	SDG No.:	Q2207
Lab Sample ID:	Q2207-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.03	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 21:44	PB168297

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.73		1	1.30	2.20	mg/kg FC069093.D
Aliphatic C9-C28	Aliphatic C9-C28	4.58		1	1.00	4.39	mg/kg FC069093.D
Total AliphaticEPH	Total AliphaticEPH	8.31			2.30	6.59	mg/kg
Total EPH	Total EPH	8.31			2.30	6.59	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-703-02A	SDG No.:	Q2207
Lab Sample ID:	Q2207-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
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
FC069093.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	4.58		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.73		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-05	Acq On:	05 Jun 2025 21:44
Client Sample ID:	BU-703-02A	Operator:	YP/AJ
Data file:	FC069093.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.603	304991	2.885	300	ug/ml
Aliphatic C12-C16	6.604	10.008	619771	6.077	200	ug/ml
Aliphatic C16-C21	10.009	13.380	4343253	44.38	300	ug/ml
Aliphatic C21-C28	13.381	17.047	863036	9.2	400	ug/ml
Aliphatic C28-C40	17.048	22.036	4810389	50.936	600	ug/ml
Aliphatic EPH	3.301	22.036	10941440	113.479		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	4796946	38.89		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3708856	41.34		ug/ml
Aliphatic C9-C28	3.301	17.047	6131051	62.542	1200	ug/ml