

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-21A	SDG No.:	Q2208
Lab Sample ID:	Q2208-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:00	06/06/25 16:34	PB168308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.03		1	1.45	2.47	mg/kg	FG015968.D
Aliphatic C9-C28	Aliphatic C9-C28	4.92	U	1	1.12	4.92	mg/kg	FG015968.D
Total AliphaticEPH	Total AliphaticEPH	5.03	J		2.57	7.39	mg/kg	
Total EPH	Total EPH	5.03	J		2.57	7.39	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-703-21A	SDG No.:	Q2208
Lab Sample ID:	Q2208-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
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
FG015968.D	1	06/06/25	06/06/25	PB168308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.03		1.45	2.47	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.6		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-16	Acq On:	06 Jun 2025 16:34
Client Sample ID:	BU-703-21A	Operator:	YP\AJ
Data file:	FG015968.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	300894	2.651	300	ug/ml
Aliphatic C12-C16	6.762	10.209	775643	6.645	200	ug/ml
Aliphatic C16-C21	10.210	13.585	495542	4.055	300	ug/ml
Aliphatic C21-C28	13.586	17.255	794797	6.615	400	ug/ml
Aliphatic C28-C40	17.256	22.148	6760059	61.214	600	ug/ml
Aliphatic EPH	3.118	22.148	9126935	81.18		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	5742994	38.57		ug/ml
1-chlorooctadecane (SURR)	13.319	13.319	4889712	42.45		ug/ml
Aliphatic C9-C28	3.118	17.255	2366876	19.966	1200	ug/ml