

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-19A	SDG No.:	Q2208
Lab Sample ID:	Q2208-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
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
06/06/25 09:00	06/06/25 17:53	PB168308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.36		1	1.31	2.22	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	9.74		1	1.01	4.44	mg/kg
Total AliphaticEPH	Total AliphaticEPH	13.1			2.32	6.66	mg/kg
Total EPH	Total EPH	13.1			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

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-19A	SDG No.:	Q2208
Lab Sample ID:	Q2208-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
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
FE054225.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	9.74		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.36		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.9		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.8		40 - 140	94%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-12	Acq On:	06 Jun 2025 17:53
Client Sample ID:	BU-703-19A	Operator:	YP\AJ
Data file:	FE054225.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	247620	1.827	300	ug/ml
Aliphatic C12-C16	6.726	10.172	1194783	8.854	200	ug/ml
Aliphatic C16-C21	10.173	13.547	14646288	111.032	300	ug/ml
Aliphatic C21-C28	13.548	17.214	1424986	11.475	400	ug/ml
Aliphatic C28-C40	17.215	22.084	5232248	45.328	600	ug/ml
Aliphatic EPH	3.080	22.084	22745925	178.516		ug/ml
ortho-Terphenyl (SURR)	11.835	11.835	7600219	46.77		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	6156727	51.93		ug/ml
Aliphatic C9-C28	3.080	17.214	17513677	133.188	1200	ug/ml