

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-22A	SDG No.:	Q2208
Lab Sample ID:	Q2208-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:00	06/06/25 17:33	PB168308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.22		1	1.37	2.31	mg/kg FG015970.D
Aliphatic C9-C28	Aliphatic C9-C28	9.01		1	1.05	4.63	mg/kg FG015970.D
Total AliphaticEPH	Total AliphaticEPH	14.2			2.42	6.94	mg/kg
Total EPH	Total EPH	14.2			2.42	6.94	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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Lab Sample ID:	Q2208-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
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
FG015970.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	9.01		1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.22		1.37	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	69.8		40 - 140	140%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	66.0		40 - 140	132%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-21	Acq On:	06 Jun 2025 17:33
Client Sample ID:	BU-703-22A	Operator:	YP\AJ
Data file:	FG015970.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	300867	2.65	300	ug/ml
Aliphatic C12-C16	6.762	10.209	1522776	13.046	200	ug/ml
Aliphatic C16-C21	10.210	13.585	10639321	87.065	300	ug/ml
Aliphatic C21-C28	13.586	17.255	1683169	14.009	400	ug/ml
Aliphatic C28-C40	17.256	22.148	7477767	67.713	600	ug/ml
Aliphatic EPH	3.118	22.148	21623900	184.484		ug/ml
ortho-Terphenyl (SURR)	11.878	11.878	9826909	66		ug/ml
1-chlorooctadecane (SURR)	13.321	13.321	8040474	69.8		ug/ml
Aliphatic C9-C28	3.118	17.255	14146133	116.77	1200	ug/ml