

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-05B	SDG No.:	Q2207
Lab Sample ID:	Q2207-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	71.4
Sample Wt/Vol:	30.06	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 14:25	PB168297

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.1		1	1.65	2.80	mg/kg FG015934.D
Aliphatic C9-C28	Aliphatic C9-C28	12.5		1	1.27	5.59	mg/kg FG015934.D
Total AliphaticEPH	Total AliphaticEPH	22.6			2.92	8.39	mg/kg
Total EPH	Total EPH	22.6			2.92	8.39	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

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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015934.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	12.5		1.27	5.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.1		1.65	2.80	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.8		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.0		40 - 140	100%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-15	Acq On:	05 Jun 2025 14:25
Client Sample ID:	BU-703-05B	Operator:	YP\AJ
Data file:	FG015934.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	242531	2.136	300	ug/ml
Aliphatic C12-C16	6.766	10.215	670629	5.745	200	ug/ml
Aliphatic C16-C21	10.216	13.591	14201931	116.219	300	ug/ml
Aliphatic C21-C28	13.592	17.262	1217785	10.136	400	ug/ml
Aliphatic C28-C40	17.263	22.162	11963818	108.335	600	ug/ml
Aliphatic EPH	3.120	22.162	28296694	242.572		ug/ml
ortho-Terphenyl (SURR)	11.881	11.881	7448795	50.03		ug/ml
1-chlorooctadecane (SURR)	13.326	13.326	6309126	54.77		ug/ml
Aliphatic C9-C28	3.120	17.262	16332876	134.236	1200	ug/ml