

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-18A	SDG No.:	Q2208
Lab Sample ID:	Q2208-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.04	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 13:35	PB168308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.94		1	1.36	2.30	mg/kg	FG015962.D
Aliphatic C9-C28	Aliphatic C9-C28	1.31	J	1	1.05	4.61	mg/kg	FG015962.D
Total AliphaticEPH	Total AliphaticEPH	6.25	J		2.41	6.91	mg/kg	
Total EPH	Total EPH	6.25	J		2.41	6.91	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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Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-18A	SDG No.:	Q2208
Lab Sample ID:	Q2208-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.04 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
FG015962.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	1.31	J	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.94		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.1		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-07	Acq On:	06 Jun 2025 13:35
Client Sample ID:	BU-703-18A	Operator:	YP\AJ
Data file:	FG015962.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	261908	2.307	300	ug/ml
Aliphatic C12-C16	6.762	10.209	1083635	9.284	200	ug/ml
Aliphatic C16-C21	10.210	13.585	664158	5.435	300	ug/ml
Aliphatic C21-C28	13.586	17.255	912637	7.596	400	ug/ml
Aliphatic C28-C40	17.256	22.148	7098574	64.279	600	ug/ml
Aliphatic EPH	3.118	22.148	10020912	88.901		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	5371485	36.08		ug/ml
1-chlorooctadecane (SURR)	13.320	13.320	4546706	39.47		ug/ml
Aliphatic C9-C28	3.118	17.255	2922338	24.622	1200	ug/ml