

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-26A	SDG No.:	Q2208
Lab Sample ID:	Q2208-32	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.3
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 18:35	PB168308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.04		1	1.59	2.69	mg/kg	FC069118.D
Aliphatic C9-C28	Aliphatic C9-C28	4.12	J	1	1.22	5.37	mg/kg	FC069118.D
Total AliphaticEPH	Total AliphaticEPH	8.16			2.81	8.06	mg/kg	
Total EPH	Total EPH	8.16			2.81	8.06	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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Analytical Method:	NJEPH	% Solid:	74.3
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
FC069118.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	4.12	J	1.22	5.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.04		1.59	2.69	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.7		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.3		40 - 140	103%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-32	Acq On:	06 Jun 2025 18:35
Client Sample ID:	BU-703-26A	Operator:	YP/AJ
Data file:	FC069118.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.303	22.037	8774531	91.076		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	6332956	51.34		ug/ml
1-chlorooctadecane (SURR)	13.117	13.117	5357037	59.71		ug/ml
Aliphatic C9-C12	3.303	6.603	538992	5.098	300	ug/ml
Aliphatic C12-C16	6.604	10.008	1088742	10.675	200	ug/ml
Aliphatic C16-C21	10.009	13.379	1315457	13.442	300	ug/ml
Aliphatic C21-C28	13.380	17.049	1578080	16.823	400	ug/ml
Aliphatic C28-C40	17.050	22.037	4253260	45.037	600	ug/ml
Aliphatic C9-C28	3.303	17.049	4521271	46.038	1200	ug/ml