

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	Franklin Sub	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-SOUTH-EAST	SDG No.:	Q2830
Lab Sample ID:	Q2830-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/12/25 23:04	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	35.7		1	1.35	2.29	mg/kg FE055270.D
Aliphatic C9-C28	Aliphatic C9-C28	5.49		1	1.04	4.59	mg/kg FE055270.D
Total AliphaticEPH	Total AliphaticEPH	41.2			2.39	6.88	mg/kg
Total EPH	Total EPH	41.2			2.39	6.88	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055270.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.49		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.7		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.6		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.2		40 - 140	112%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2830-01	Acq On:	12 Aug 2025 23:04
Client Sample ID:	BIN0009-DRIVEWAY-TP-	Operator:	YP\AJ
Data file:	FE055270.D	Misc:	
Instrument:	FID_E	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	496042	4.248	300	ug/ml
Aliphatic C12-C16	6.960	10.413	1935938	15.459	200	ug/ml
Aliphatic C16-C21	10.414	13.793	3167516	25.058	300	ug/ml
Aliphatic C21-C28	13.794	17.466	3240580	26.892	400	ug/ml
Aliphatic C28-C40	17.467	22.498	53158641	466.356	600	ug/ml
Aliphatic EPH	3.323	22.498	61998717	538.013		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	8023506	56.19		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	6300920	58.6		ug/ml
Aliphatic C9-C28	3.323	17.466	8840076	71.657	1200	ug/ml