

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	Franklin Sub	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDE	SDG No.:	Q2830
Lab Sample ID:	Q2830-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/13/25 0:35	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.2		1	1.57	2.66	mg/kg	FE055273.D
Aliphatic C9-C28	Aliphatic C9-C28	3.42	J	1	1.21	5.32	mg/kg	FE055273.D
Total AliphaticEPH	Total AliphaticEPH	23.6			2.78	7.98	mg/kg	
Total EPH	Total EPH	23.6			2.78	7.98	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

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	Franklin Sub	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDE	SDG No.:	Q2830
Lab Sample ID:	Q2830-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75
Sample Wt/Vol:	30.09 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
FE055273.D	1	08/12/25	08/13/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.42	J	1.21	5.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.2		1.57	2.66	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.1		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.4		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2830-06	Acq On:	13 Aug 2025 00:35
Client Sample ID:	BIN0009-DRIVEWAY-TP-	Operator:	YP\AJ
Data file:	FE055273.D	Misc:	
Instrument:	FID_E	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	673941	5.771	300	ug/ml
Aliphatic C12-C16	6.960	10.413	944584	7.543	200	ug/ml
Aliphatic C16-C21	10.414	13.793	1248844	9.88	300	ug/ml
Aliphatic C21-C28	13.794	17.466	1850593	15.357	400	ug/ml
Aliphatic C28-C40	17.467	22.498	25975953	227.885	600	ug/ml
Aliphatic EPH	3.323	22.498	30693915	266.435		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	6053848	42.39		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4958180	46.11		ug/ml
Aliphatic C9-C28	3.323	17.466	4717962	38.551	1200	ug/ml