

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	Franklin Sub	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-EASTSIDE	SDG No.:	Q2830
Lab Sample ID:	Q2830-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.7
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
08/12/25 08:45	08/13/25 1:05	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.2		1	1.54	2.60	mg/kg	FE055274.D
Aliphatic C9-C28	Aliphatic C9-C28	2.86	J	1	1.18	5.20	mg/kg	FE055274.D
Total AliphaticEPH	Total AliphaticEPH	22.1			2.72	7.80	mg/kg	
Total EPH	Total EPH	22.1			2.72	7.80	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
FE055274.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	2.86	J	1.18	5.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.2		1.54	2.60	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.9		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.1		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2830-07	Acq On:	13 Aug 2025 01:05
Client Sample ID:	BIN0009-DRIVEWAY-TP-	Operator:	YP\AJ
Data file:	FE055274.D	Misc:	
Instrument:	FID_E	ALS Vial:	37
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	530426	4.542	300	ug/ml
Aliphatic C12-C16	6.960	10.413	779729	6.227	200	ug/ml
Aliphatic C16-C21	10.414	13.793	996615	7.884	300	ug/ml
Aliphatic C21-C28	13.794	17.466	1721380	14.285	400	ug/ml
Aliphatic C28-C40	17.467	22.498	25250507	221.521	600	ug/ml
Aliphatic EPH	3.323	22.498	29278657	254.458		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	5297909	37.1		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	4507660	41.92		ug/ml
Aliphatic C9-C28	3.323	17.466	4028150	32.938	1200	ug/ml