

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	Franklin Sub	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WEST	SDG No.:	Q2830
Lab Sample ID:	Q2830-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.02 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 22:41	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.87		1	1.38	2.33	mg/kg	FC069647.D
Aliphatic C9-C28	Aliphatic C9-C28	2.91	J	1	1.06	4.68	mg/kg	FC069647.D
Total AliphaticEPH	Total AliphaticEPH	9.78			2.44	7.01	mg/kg	
Total EPH	Total EPH	9.78			2.44	7.01	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069647.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	2.91	J	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.87		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.6		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2830-03	Acq On:	12 Aug 2025 22:41
Client Sample ID:	BIN0009-DRIVEWAY-TP-	Operator:	YP/AJ
Data file:	FC069647.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.594	472884	3.268	300	ug/ml
Aliphatic C12-C16	6.595	9.998	934954	6.518	200	ug/ml
Aliphatic C16-C21	9.999	13.367	1495289	11.196	300	ug/ml
Aliphatic C21-C28	13.368	17.032	1943465	16.427	400	ug/ml
Aliphatic C28-C40	17.033	22.008	8419523	88.333	600	ug/ml
Aliphatic EPH	3.296	22.008	13266115	125.743		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	6046442	40.53		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	4645966	42.61		ug/ml
Aliphatic C9-C28	3.296	17.032	4846592	37.409	1200	ug/ml