

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Lawrenceville HQ	Date Received:	06/10/25
Client Sample ID:	LAW-25-0082-LAW-250083-E2	SDG No.:	Q2286
Lab Sample ID:	Q2286-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	10.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/12/25 17:12	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	581		10	37.8	64.1	mg/kg	FE054344.D
Aliphatic C9-C28	Aliphatic C9-C28	56600		500	1460	6400	mg/kg	FE054345.D
Total AliphaticEPH	Total AliphaticEPH	57200			1490	6470	mg/kg	
Total EPH	Total EPH	57200			1490	6470	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
FE054322.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	48600	E	2.92	12.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	507	E	3.78	6.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2286-02	Acq On:	11 Jun 2025 22:24
Client Sample ID:	LAW-25-0082-LAW-25008	Operator:	YP\AJ
Data file:	FE054322.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	59516561	475.162	300	ug/ml
Aliphatic C12-C16	6.724	10.169	2646969095	20200	200	ug/ml
Aliphatic C16-C21	10.170	13.542	22435605909	168000	300	ug/ml
Aliphatic C21-C28	13.543	17.208	5024711477	39500	400	ug/ml
Aliphatic C28-C40	17.209	22.074	304898940	2380	600	ug/ml
Aliphatic EPH	3.078	22.074	30471701982	230000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.078	17.208	30166803042	228000	1200	ug/ml