

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	Lawrenceville HQ	Date Received:	05/16/25
Client Sample ID:	LAW-25-0075	SDG No.:	Q2068
Lab Sample ID:	Q2068-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	50.4
Sample Wt/Vol:	10.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/19/25 09:13	05/20/25 9:56	PB168051

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2780		20	140	237	mg/kg	FE053915.D
Aliphatic C9-C28	Aliphatic C9-C28	137000		500	2700	11900	mg/kg	FE053916.D
Total AliphaticEPH	Total AliphaticEPH	140000			2840	12100	mg/kg	
Total EPH	Total EPH	140000			2840	12100	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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Lab Sample ID:	Q2068-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	50.4
Sample Wt/Vol:	10.01 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
FE053904.D	1	05/19/25	05/19/25	PB168051

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	117000	E	5.41	23.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3080	E	7.02	11.9	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:	Q2068-01	Acq On:	19 May 2025 20:30
Client Sample ID:	LAW-25-0075	Operator:	YP\AJ
Data file:	FE053904.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.743	9871906	72.821	300	ug/ml
Aliphatic C12-C16	6.744	10.191	2703565014	20000	200	ug/ml
Aliphatic C16-C21	10.192	13.567	24784928531	188000	300	ug/ml
Aliphatic C21-C28	13.568	17.237	10878567333	87700	400	ug/ml
Aliphatic C28-C40	17.238	22.125	896192845	7760	600	ug/ml
Aliphatic EPH	3.099	22.125	39273125629	303000		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	3.099	17.237	38376932784	296000	1200	ug/ml