

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Lawrenceville HQ	Date Received:	10/20/25
Client Sample ID:	EXCAVATION-AREA-B	SDG No.:	Q3409
Lab Sample ID:	Q3409-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.07 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.18	2.00	mg/kg	FE056446.D	10/22/25 17:34	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	3.99	U	1	0.91	3.99	mg/kg	FE056446.D	10/22/25 17:34	PB170207
Total AliphaticEPH	Total AliphaticEPH	5.99	U		2.09	5.99	mg/kg			
Total EPH	Total EPH	5.99	U		2.09	5.99	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1	0.91	3.99	mg/kg	10/22/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.18	2.00	mg/kg	10/22/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.6			40 - 140	51%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	24.4			40 - 140	49%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3409-02	Acq On:	22 Oct 2025 17:34
Client Sample ID:	EXCAVATION-AREA-B	Operator:	YP\AJ
Data file:	FE056446.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.923	66379	0.402	300	ug/ml
Aliphatic C12-C16	6.924	10.374	145851	0.855	200	ug/ml
Aliphatic C16-C21	10.375	13.753	0	0	300	ug/ml
Aliphatic C21-C28	13.754	17.425	234514	1.309	400	ug/ml
Aliphatic C28-C40	17.426	22.420	0	0	600	ug/ml
Aliphatic EPH	3.296	22.420	446744	2.567		ug/ml
ortho-Terphenyl (SURR)	12.050	12.050	4983073	24.39		ug/ml
1-chlorooctadecane (SURR)	13.486	13.486	3911078	25.63		ug/ml
Aliphatic C9-C28	3.296	17.425	446744	2.566	1200	ug/ml