

Report of Analysis

Client:	PSEG	Date Collected:	11/10/25
Project:	Central ROW Foundation Repairs	Date Received:	11/10/25
Client Sample ID:	CENTRAL-ROW-CONCRETE-E2	SDG No.:	Q3600
Lab Sample ID:	Q3600-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/12/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	13.4		1	1.38	2.35	mg/kg	FE056796.D	11/13/25 1:56	PB170503
Aliphatic C9-C28	Aliphatic C9-C28	1.55	J	1	1.07	4.68	mg/kg	FE056796.D	11/13/25 1:56	PB170503
Total AliphaticEPH	Total AliphaticEPH	15.0			2.45	7.03	mg/kg			
Total EPH	Total EPH	15.0			2.45	7.03	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.55	J	1	1.07	4.68	mg/kg	11/13/25	PB170503
Aliphatic C28-C40	Aliphatic C28-C40	13.4		1	1.38	2.35	mg/kg	11/13/25	PB170503
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.2			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.2			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3600-02	Acq On:	13 Nov 2025 01:56
Client Sample ID:	CENTRAL-ROW-CONCR	Operator:	YP\AJ
Data file:	FE056796.D	Misc:	
Instrument:	FID_E	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.840	341650	1.996	300	ug/ml
Aliphatic C12-C16	6.841	10.285	988009	5.527	200	ug/ml
Aliphatic C16-C21	10.286	13.658	851092	4.563	300	ug/ml
Aliphatic C21-C28	13.659	17.327	1879023	9.748	400	ug/ml
Aliphatic C28-C40	17.328	22.264	27376992	171.842	600	ug/ml
Aliphatic EPH	3.218	22.264	31436766	193.677		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	6303373	30.17		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	4060887	25.2		ug/ml
Aliphatic C9-C28	3.218	17.327	4059774	21.834	1200	ug/ml