

Report of Analysis

Client:	PSEG	Date Collected:	11/17/25
Project:	PSEG Westfield Sub T2 Containment	Date Received:	11/17/25
Client Sample ID:	T2-GRAVEL-E2	SDG No.:	Q3656
Lab Sample ID:	Q3656-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1180		50	69.0	116	mg/kg	FE056930.D	11/19/25 10:52	PB170599
Aliphatic C9-C28	Aliphatic C9-C28	30200		500	531	2340	mg/kg	FE056931.D	11/19/25 11:22	PB170599
Total AliphaticEPH	Total AliphaticEPH	31300			600	2450	mg/kg			
Total EPH	Total EPH	31300			600	2450	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	28900	E	1	1.06	4.68	mg/kg	11/18/25	PB170599
Aliphatic C28-C40	Aliphatic C28-C40	1070	E	1	1.38	2.34	mg/kg	11/18/25	PB170599
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:	Q3656-02	Acq On:	18 Nov 2025 21:38
Client Sample ID:	T2-GRAVEL-E2	Operator:	YP\AJ
Data file:	FE056915.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.834	6702551	39.159	300	ug/ml
Aliphatic C12-C16	6.835	10.279	2540194575	14200	200	ug/ml
Aliphatic C16-C21	10.280	13.652	36119643243	194000	300	ug/ml
Aliphatic C21-C28	13.653	17.321	31271958185	162000	400	ug/ml
Aliphatic C28-C40	17.322	22.255	2177343798	13700	600	ug/ml
Aliphatic EPH	3.211	22.255	72115842352	384000		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	3.211	17.321	69938498554	370000	1200	ug/ml