

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	Irvington Sub HQ	Date Received:	10/17/25
Client Sample ID:	461	SDG No.:	Q3388
Lab Sample ID:	Q3388-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	842		10	70.4	119	mg/kg	FE056407.D	10/21/25 9:47	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	129000		500	2710	11900	mg/kg	FE056408.D	10/21/25 10:17	PB170169
Total AliphaticEPH	Total AliphaticEPH	130000			2780	12000	mg/kg			
Total EPH	Total EPH	130000			2780	12000	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	117000	E	1	5.43	23.9	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	774	E	1	7.04	11.9	mg/kg	10/20/25	PB170169
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:	Q3388-01	Acq On:	20 Oct 2025 19:50
Client Sample ID:	461	Operator:	YP\AJ
Data file:	FE056396.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	3.300	6.926	12829234	77.716	300	ug/ml
Aliphatic C12-C16	6.927	10.378	1351399881	7920	200	ug/ml
Aliphatic C16-C21	10.379	13.756	28699874350	161000	300	ug/ml
Aliphatic C21-C28	13.757	17.428	22334945766	125000	400	ug/ml
Aliphatic C28-C40	17.429	22.423	270459470	1950	600	ug/ml
Aliphatic EPH	3.300	22.423	52669508701	295000		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	3.300	17.428	52399049231	293000	1200	ug/ml