

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG 544 S Orange Ave, Newark OP	Date Received:	
Client Sample ID:	PB168210BS	SDG No.:	Q2151
Lab Sample ID:	PB168210BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/30/25 09:20	05/30/25 15:02	PB168210

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	29.4		1	1.18	2.00	mg/kg	FE054098.D
Aliphatic C9-C28	Aliphatic C9-C28	78.0		1	0.91	4.00	mg/kg	FE054098.D
Total AliphaticEPH	Total AliphaticEPH	107			2.09	6.00	mg/kg	
Total EPH	Total EPH	107			2.09	6.00	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.

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054098.D	1	05/30/25	05/30/25	PB168210

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Aliphatic C28-C40	Aliphatic C28-C40	29.4		1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	44.3		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.7		40 - 140	79%	SPK: 50



## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168210BS	Acq On:	30 May 2025 15:02
Client Sample ID:	PB168210BS	Operator:	YP\AJ
Data file:	FE054098.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.091	6.737	26480222	195.335	300	ug/ml
Aliphatic C12-C16	6.738	10.186	35383625	262.214	200	ug/ml
Aliphatic C16-C21	10.187	13.562	40003743	303.264	300	ug/ml
Aliphatic C21-C28	13.563	17.233	50785754	408.979	400	ug/ml
Aliphatic C28-C40	17.234	22.117	50849476	440.519	600	ug/ml
Aliphatic EPH	3.091	22.117	203502820	1610		ug/ml
ortho-Terphenyl (SURR)	11.842	11.842	6450287	39.69		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	5248938	44.28		ug/ml
Aliphatic C9-C28	3.091	17.233	152653344	1170	1200	ug/ml