

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	PSEG Bennetts Lane Test Pits	Date Received:	06/04/25
Client Sample ID:	TP-1	SDG No.:	Q2206
Lab Sample ID:	Q2206-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/05/25 08:30	06/05/25 16:13	PB168297

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1	1.34	2.27	mg/kg FE054194.D
Aliphatic C9-C28	Aliphatic C9-C28	6.79		1	1.03	4.55	mg/kg FE054194.D
Total AliphaticEPH	Total AliphaticEPH	18.3			2.37	6.82	mg/kg
Total EPH	Total EPH	18.3			2.37	6.82	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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Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054194.D	1	06/05/25	06/05/25	PB168297

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.79		1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2206-01	Acq On:	05 Jun 2025 16:13
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE054194.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.084	6.729	2041171	15.057	300	ug/ml
Aliphatic C12-C16	6.730	10.176	6171622	45.736	200	ug/ml
Aliphatic C16-C21	10.177	13.550	1529285	11.593	300	ug/ml
Aliphatic C21-C28	13.551	17.218	2143982	17.266	400	ug/ml
Aliphatic C28-C40	17.219	22.088	17557256	152.102	600	ug/ml
Aliphatic EPH	3.084	22.088	29443316	241.753		ug/ml
ortho-Terphenyl (SURR)	11.837	11.837	5823788	35.84		ug/ml
1-chlorooctadecane (SURR)	13.282	13.282	4803404	40.52		ug/ml
Aliphatic C9-C28	3.084	17.218	11886060	89.652	1200	ug/ml