

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	9th Ave Pole Yard	Date Received:	
Client Sample ID:	PB168786BS	SDG No.:	Q2542
Lab Sample ID:	PB168786BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/10/25 09:25	07/10/25 15:51	PB168786

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.0		1	1.18	2.00	mg/kg	FE054781.D
Aliphatic C9-C28	Aliphatic C9-C28	63.3		1	0.91	3.99	mg/kg	FE054781.D
Total AliphaticEPH	Total AliphaticEPH	87.3			2.09	5.99	mg/kg	
Total EPH	Total EPH	87.3			2.09	5.99	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054781.D	1	07/10/25	07/10/25	PB168786

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	63.3		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.0		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168786BS	Acq On:	10 Jul 2025 15:51
Client Sample ID:	PB168786BS	Operator:	YP\AJ
Data file:	FE054781.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.952	18611797	136.796	300	ug/ml
Aliphatic C12-C16	6.953	10.404	32315735	229.894	200	ug/ml
Aliphatic C16-C21	10.405	13.781	38397010	265.919	300	ug/ml
Aliphatic C21-C28	13.782	17.452	46144630	319.005	400	ug/ml
Aliphatic C28-C40	17.453	22.471	49949475	360.262	600	ug/ml
Aliphatic EPH	3.319	22.471	185418647	1310		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	4773301	29.39		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	3784010	29.96		ug/ml
Aliphatic C9-C28	3.319	17.452	135469172	951.614	1200	ug/ml