

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	9th Ave Pole Yard	Date Received:	
Client Sample ID:	PB168786BSD	SDG No.:	Q2542
Lab Sample ID:	PB168786BSD	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
07/10/25 09:25	07/10/25 16:21	PB168786

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	23.4		1	1.18	2.00	mg/kg	FE054782.D
Aliphatic C9-C28	Aliphatic C9-C28	61.9		1	0.91	4.00	mg/kg	FE054782.D
Total AliphaticEPH	Total AliphaticEPH	85.3			2.09	6.00	mg/kg	
Total EPH	Total EPH	85.3			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.

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
FE054782.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	61.9		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.1		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168786BSD	Acq On:	10 Jul 2025 16:21
Client Sample ID:	PB168786BSD	Operator:	YP\AJ
Data file:	FE054782.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.952	18075010	132.851	300	ug/ml
Aliphatic C12-C16	6.953	10.404	31367561	223.148	200	ug/ml
Aliphatic C16-C21	10.405	13.781	37374831	258.84	300	ug/ml
Aliphatic C21-C28	13.782	17.452	45134004	312.018	400	ug/ml
Aliphatic C28-C40	17.453	22.471	48686862	351.156	600	ug/ml
Aliphatic EPH	3.319	22.471	180638268	1280		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	4642107	28.59		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	3680696	29.14		ug/ml
Aliphatic C9-C28	3.319	17.452	131951406	926.857	1200	ug/ml