

Report of Analysis

Client:	PSEG	Date Collected:	01/30/25
Project:	Big Timber Creek Project	Date Received:	01/30/25
Client Sample ID:	286	SDG No.:	Q1239
Lab Sample ID:	Q1239-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
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
01/31/25 09:45	01/31/25 16:17	PB166417

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	25.1		1	2.02	2.25	mg/kg FF015418.D
Aliphatic C9-C28	Aliphatic C9-C28	5.41		1	1.93	4.49	mg/kg FF015418.D
Total AliphaticEPH	Total AliphaticEPH	30.5			3.95	6.74	mg/kg
Total EPH	Total EPH	30.5			3.95	6.74	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

Report of Analysis

Client:	PSEG	Date Collected:	01/30/25
Project:	Big Timber Creek Project	Date Received:	01/30/25
Client Sample ID:	286	SDG No.:	Q1239
Lab Sample ID:	Q1239-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
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
FF015418.D	1	01/31/25	01/31/25	PB166417

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.41		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.1		2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1239-01	Acq On:	31 Jan 2025 16:17
Client Sample ID:	286	Operator:	YP\AJ
Data file:	FF015418.D	Misc:	
Instrument:	FID_F	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.833	1099647	8.25	300	ug/ml
Aliphatic C12-C16	6.834	10.268	1337484	9.664	200	ug/ml
Aliphatic C16-C21	10.269	13.636	3106801	21.507	300	ug/ml
Aliphatic C21-C28	13.637	17.303	4670137	32.792	400	ug/ml
Aliphatic C28-C40	17.304	22.207	35105619	335.34	600	ug/ml
Aliphatic EPH	3.214	22.207	45319688	407.553		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	4103853	25.81		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	3321278	26.64		ug/ml
Aliphatic C9-C28	3.214	17.303	10214069	72.213	1200	ug/ml