

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-2-E2	SDG No.:	Q1489
Lab Sample ID:	Q1489-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/05/25 08:33	03/05/25 22:29	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1	2.49	2.77	mg/kg	FE052645.D
Aliphatic C9-C28	Aliphatic C9-C28	4.91	J	1	2.39	5.55	mg/kg	FE052645.D
Total AliphaticEPH	Total AliphaticEPH	20.3			4.88	8.32	mg/kg	
Total EPH	Total EPH	20.3			4.88	8.32	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:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-2-E2	SDG No.:	Q1489
Lab Sample ID:	Q1489-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.1
Sample Wt/Vol:	30.02 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
FE052645.D	1	03/05/25	03/05/25	PB166980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.91	J	2.39	5.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.4		2.49	2.77	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.2		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-06	Acq On:	05 Mar 2025 22:29
Client Sample ID:	TP-2-E2	Operator:	YP\AJ
Data file:	FE052645.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.797	1040129	6.67	300	ug/ml
Aliphatic C12-C16	6.798	10.248	804508	5.289	200	ug/ml
Aliphatic C16-C21	10.249	13.627	2276390	15.533	300	ug/ml
Aliphatic C21-C28	13.628	17.301	3645546	25.591	400	ug/ml
Aliphatic C28-C40	17.302	22.222	21246167	166.52	600	ug/ml
Aliphatic EPH	3.153	22.222	29012740	219.604		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	4924726	29.21		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	3820630	31.46		ug/ml
Aliphatic C9-C28	3.153	17.301	7766573	53.083	1200	ug/ml