

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	SDG No.:	Q1489
Lab Sample ID:	Q1489-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	66.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/05/25 08:33	03/05/25 21:58	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.1		1	2.70	3.00	mg/kg	FE052644.D
Aliphatic C9-C28	Aliphatic C9-C28	6.00	U	1	2.58	6.00	mg/kg	FE052644.D
Total AliphaticEPH	Total AliphaticEPH	18.1			5.28	9.00	mg/kg	
Total EPH	Total EPH	18.1			5.28	9.00	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

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	SDG No.:	Q1489
Lab Sample ID:	Q1489-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	66.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052644.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	0.000	U	2.58	6.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.1		2.70	3.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.9		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.3		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-05	Acq On:	05 Mar 2025 21:58
Client Sample ID:	TP-2	Operator:	YP\AJ
Data file:	FE052644.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.797	898299	5.76	300	ug/ml
Aliphatic C12-C16	6.798	10.248	571252	3.756	200	ug/ml
Aliphatic C16-C21	10.249	13.627	829068	5.657	300	ug/ml
Aliphatic C21-C28	13.628	17.301	1688483	11.853	400	ug/ml
Aliphatic C28-C40	17.302	22.222	23019233	180.417	600	ug/ml
Aliphatic EPH	3.153	22.222	27006335	207.443		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	4257405	25.25		ug/ml
1-chlorooctadecane (SURR)	13.364	13.364	3261485	26.86		ug/ml
Aliphatic C9-C28	3.153	17.301	3987102	27.026	1200	ug/ml