

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-4-E3	SDG No.:	Q1489
Lab Sample ID:	Q1489-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.7
Sample Wt/Vol:	30.08	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 20:52	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.86		1	2.22	2.47	mg/kg	FF015612.D
Aliphatic C9-C28	Aliphatic C9-C28	3.50	J	1	2.13	4.95	mg/kg	FF015612.D
Total AliphaticEPH	Total AliphaticEPH	8.36			4.35	7.42	mg/kg	
Total EPH	Total EPH	8.36			4.35	7.42	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-4-E3	SDG No.:	Q1489
Lab Sample ID:	Q1489-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015612.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	3.50	J	2.13	4.95	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.86		2.22	2.47	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.7		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-15	Acq On:	05 Mar 2025 20:52
Client Sample ID:	TP-4-E3	Operator:	YP\AJ
Data file:	FF015612.D	Misc:	
Instrument:	FID_F	ALS Vial:	86
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.196	6.822	1174516	9.34	300	ug/ml
Aliphatic C12-C16	6.823	10.260	826374	6.451	200	ug/ml
Aliphatic C16-C21	10.261	13.631	1885160	13.638	300	ug/ml
Aliphatic C21-C28	13.632	17.298	1846825	13.105	400	ug/ml
Aliphatic C28-C40	17.299	22.196	6775950	58.941	600	ug/ml
Aliphatic EPH	3.196	22.196	12508825	101.476		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	6513919	41.67		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	5185134	43.82		ug/ml
Aliphatic C9-C28	3.196	17.298	5732875	42.534	1200	ug/ml