

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-3-E3	SDG No.:	Q1489
Lab Sample ID:	Q1489-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.01	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 19:24	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1	2.24	2.48	mg/kg FF015609.D
Aliphatic C9-C28	Aliphatic C9-C28	7.19		1	2.14	4.97	mg/kg FF015609.D
Total AliphaticEPH	Total AliphaticEPH	12.7			4.38	7.45	mg/kg
Total EPH	Total EPH	12.7			4.38	7.45	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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Sample Wt/Vol:	30.01 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
FF015609.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	7.19		2.14	4.97	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.53		2.24	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-11	Acq On:	05 Mar 2025 19:24
Client Sample ID:	TP-3-E3	Operator:	YP\AJ
Data file:	FF015609.D	Misc:	
Instrument:	FID_F	ALS Vial:	83
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.196	6.822	4543243	36.129	300	ug/ml
Aliphatic C12-C16	6.823	10.260	1285475	10.035	200	ug/ml
Aliphatic C16-C21	10.261	13.631	5628525	40.719	300	ug/ml
Aliphatic C21-C28	13.632	17.298	1338346	9.497	400	ug/ml
Aliphatic C28-C40	17.299	22.196	7685182	66.85	600	ug/ml
Aliphatic EPH	3.196	22.196	20480771	163.23		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	4612585	29.51		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	3620006	30.59		ug/ml
Aliphatic C9-C28	3.196	17.298	12795589	96.38	1200	ug/ml