

Report of Analysis

Client:	PSEG	Date Collected:	01/16/25
Project:	Big Timber Creek Project	Date Received:	01/16/25
Client Sample ID:	72-11995	SDG No.:	Q1115
Lab Sample ID:	Q1115-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.5
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
01/17/25 10:10	01/17/25 17:54	PB166099

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1	2.48	2.76	mg/kg	FE051952.D
Aliphatic C9-C28	Aliphatic C9-C28	5.27	J	1	2.37	5.52	mg/kg	FE051952.D
Total AliphaticEPH	Total AliphaticEPH	16.8			4.85	8.28	mg/kg	
Total EPH	Total EPH	16.8			4.85	8.28	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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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051952.D	1	01/17/25	01/17/25	PB166099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.27	J	2.37	5.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.5		2.48	2.76	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.5		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.5		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1115-07	Acq On:	17 Jan 2025 17:54
Client Sample ID:	72-11995	Operator:	YP\AJ
Data file:	FE051952.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.508	7.090	827907	7.55	300	ug/ml
Aliphatic C12-C16	7.091	10.508	1119272	9.234	200	ug/ml
Aliphatic C16-C21	10.509	13.863	1760884	13.423	300	ug/ml
Aliphatic C21-C28	13.864	17.513	3598717	27.251	400	ug/ml
Aliphatic C28-C40	17.514	22.545	13396924	124.864	600	ug/ml
Aliphatic EPH	3.508	22.545	20703704	182.321		ug/ml
ortho-Terphenyl (SURR)	12.184	12.184	3792713	26.54		ug/ml
1-chlorooctadecane (SURR)	13.606	13.606	3156491	27.52		ug/ml
Aliphatic C9-C28	3.508	17.513	7306780	57.458	1200	ug/ml