

Report of Analysis

Client:	PSEG	Date Collected:	01/30/25
Project:	Big Timber Creek Project	Date Received:	01/30/25
Client Sample ID:	348	SDG No.:	Q1239
Lab Sample ID:	Q1239-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 09:45	01/31/25 16:45	PB166417

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	2.02	2.24	mg/kg FF015419.D
Aliphatic C9-C28	Aliphatic C9-C28	7.60		1	1.93	4.48	mg/kg FF015419.D
Total AliphaticEPH	Total AliphaticEPH	28.1			3.95	6.72	mg/kg
Total EPH	Total EPH	28.1			3.95	6.72	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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Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.07 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
FF015419.D	1	01/31/25	01/31/25	PB166417

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.60		1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.5		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.6		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.2		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1239-04	Acq On:	31 Jan 2025 16:45
Client Sample ID:	348	Operator:	YP\AJ
Data file:	FF015419.D	Misc:	
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.833	478781	3.592	300	ug/ml
Aliphatic C12-C16	6.834	10.268	1169885	8.453	200	ug/ml
Aliphatic C16-C21	10.269	13.636	8907080	61.659	300	ug/ml
Aliphatic C21-C28	13.637	17.303	4489145	31.522	400	ug/ml
Aliphatic C28-C40	17.304	22.207	28724080	274.382	600	ug/ml
Aliphatic EPH	3.214	22.207	43768971	379.607		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	4158664	26.16		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	3444143	27.63		ug/ml
Aliphatic C9-C28	3.214	17.303	15044891	105.226	1200	ug/ml