

Report of Analysis

Client:	PSEG	Date Collected:	01/30/25
Project:	Big Timber Creek Project	Date Received:	01/30/25
Client Sample ID:	357	SDG No.:	Q1239
Lab Sample ID:	Q1239-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
01/31/25 09:45	01/31/25 17:42	PB166417

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.73		1	2.12	2.36	mg/kg	FF015421.D
Aliphatic C9-C28	Aliphatic C9-C28	4.72	U	1	2.03	4.72	mg/kg	FF015421.D
Total AliphaticEPH	Total AliphaticEPH	9.73			4.15	7.08	mg/kg	
Total EPH	Total EPH	9.73			4.15	7.08	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015421.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	0.000	U	2.03	4.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.73		2.12	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.7		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.9		40 - 140	68%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1239-10	Acq On:	31 Jan 2025 17:42
Client Sample ID:	357	Operator:	YP\AJ
Data file:	FF015421.D	Misc:	
Instrument:	FID_F	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.833	565343	4.241	300	ug/ml
Aliphatic C12-C16	6.834	10.268	1184273	8.557	200	ug/ml
Aliphatic C16-C21	10.269	13.636	1973505	13.661	300	ug/ml
Aliphatic C21-C28	13.637	17.303	1633625	11.471	400	ug/ml
Aliphatic C28-C40	17.304	22.207	12967983	123.874	600	ug/ml
Aliphatic EPH	3.214	22.207	18324729	161.805		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	5396220	33.94		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4322597	34.67		ug/ml
Aliphatic C9-C28	3.214	17.303	5356746	37.93	1200	ug/ml