

Report of Analysis

Client:	PSEG	Date Collected:	01/30/25
Project:	Big Timber Creek Project	Date Received:	01/30/25
Client Sample ID:	RBR22266	SDG No.:	Q1239
Lab Sample ID:	Q1239-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
Sample Wt/Vol:	30.03	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 17:14	PB166417

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1	2.01	2.23	mg/kg FF015420.D
Aliphatic C9-C28	Aliphatic C9-C28	11.7		1	1.92	4.45	mg/kg FF015420.D
Total AliphaticEPH	Total AliphaticEPH	29.4			3.93	6.68	mg/kg
Total EPH	Total EPH	29.4			3.93	6.68	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
FF015420.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	11.7		1.92	4.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.7		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1239-07	Acq On:	31 Jan 2025 17:14
Client Sample ID:	RBR22266	Operator:	YP\AJ
Data file:	FF015420.D	Misc:	
Instrument:	FID_F	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.833	930613	6.982	300	ug/ml
Aliphatic C12-C16	6.834	10.268	1405029	10.152	200	ug/ml
Aliphatic C16-C21	10.269	13.636	11751500	81.349	300	ug/ml
Aliphatic C21-C28	13.637	17.303	8410305	59.055	400	ug/ml
Aliphatic C28-C40	17.304	22.207	24916784	238.013	600	ug/ml
Aliphatic EPH	3.214	22.207	47414231	395.55		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	4672302	29.39		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	3861386	30.97		ug/ml
Aliphatic C9-C28	3.214	17.303	22497447	157.538	1200	ug/ml