

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-1-E2	SDG No.:	Q1489
Lab Sample ID:	Q1489-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.5
Sample Wt/Vol:	30.08	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 17:56	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1	2.26	2.51	mg/kg	FF015606.D
Aliphatic C9-C28	Aliphatic C9-C28	3.97	J	1	2.15	5.01	mg/kg	FF015606.D
Total AliphaticEPH	Total AliphaticEPH	15.2			4.41	7.52	mg/kg	
Total EPH	Total EPH	15.2			4.41	7.52	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015606.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	3.97	J	2.15	5.01	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.2		2.26	2.51	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-02	Acq On:	05 Mar 2025 17:56
Client Sample ID:	TP-1-E2	Operator:	YP\AJ
Data file:	FF015606.D	Misc:	
Instrument:	FID_F	ALS Vial:	80
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.196	6.822	1067661	8.49	300	ug/ml
Aliphatic C12-C16	6.823	10.260	860001	6.714	200	ug/ml
Aliphatic C16-C21	10.261	13.631	1949898	14.106	300	ug/ml
Aliphatic C21-C28	13.632	17.298	2558079	18.152	400	ug/ml
Aliphatic C28-C40	17.299	22.196	15433321	134.248	600	ug/ml
Aliphatic EPH	3.196	22.196	21868960	181.711		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	4806554	30.75		ug/ml
1-chlorooctadecane (SURR)	13.369	13.369	3792618	32.05		ug/ml
Aliphatic C9-C28	3.196	17.298	6435639	47.462	1200	ug/ml