

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-4	SDG No.:	Q1489
Lab Sample ID:	Q1489-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.1
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
03/05/25 08:33	03/05/25 19:53	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.45		1	2.14	2.37	mg/kg	FF015610.D
Aliphatic C9-C28	Aliphatic C9-C28	4.75	U	1	2.04	4.75	mg/kg	FF015610.D
Total AliphaticEPH	Total AliphaticEPH	5.45	J		4.18	7.12	mg/kg	
Total EPH	Total EPH	5.45	J		4.18	7.12	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
FF015610.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	0.000	U	2.04	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.45		2.14	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.6		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.5		40 - 140	43%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-13	Acq On:	05 Mar 2025 19:53
Client Sample ID:	TP-4	Operator:	YP\AJ
Data file:	FF015610.D	Misc:	
Instrument:	FID_F	ALS Vial:	84
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.196	6.822	756608	6.017	300	ug/ml
Aliphatic C12-C16	6.823	10.260	492961	3.848	200	ug/ml
Aliphatic C16-C21	10.261	13.631	1063882	7.697	300	ug/ml
Aliphatic C21-C28	13.632	17.298	1456047	10.332	400	ug/ml
Aliphatic C28-C40	17.299	22.196	7927027	68.954	600	ug/ml
Aliphatic EPH	3.196	22.196	11696525	96.848		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	3362272	21.51		ug/ml
1-chlorooctadecane (SURR)	13.369	13.369	2677652	22.63		ug/ml
Aliphatic C9-C28	3.196	17.298	3769498	27.894	1200	ug/ml