

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-3-E2	SDG No.:	Q1489
Lab Sample ID:	Q1489-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
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 18:54	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.34		1	2.10	2.34	mg/kg FF015608.D
Aliphatic C9-C28	Aliphatic C9-C28	9.05		1	2.01	4.68	mg/kg FF015608.D
Total AliphaticEPH	Total AliphaticEPH	15.4			4.11	7.02	mg/kg
Total EPH	Total EPH	15.4			4.11	7.02	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015608.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	9.05		2.01	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.34		2.10	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-10	Acq On:	05 Mar 2025 18:54
Client Sample ID:	TP-3-E2	Operator:	YP\AJ
Data file:	FF015608.D	Misc:	
Instrument:	FID_F	ALS Vial:	82
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.196	6.822	6331519	50.35	300	ug/ml
Aliphatic C12-C16	6.823	10.260	1729904	13.505	200	ug/ml
Aliphatic C16-C21	10.261	13.631	5356038	38.748	300	ug/ml
Aliphatic C21-C28	13.632	17.298	1926472	13.67	400	ug/ml
Aliphatic C28-C40	17.299	22.196	9355337	81.378	600	ug/ml
Aliphatic EPH	3.196	22.196	24699270	197.651		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	5088274	32.55		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	4006545	33.86		ug/ml
Aliphatic C9-C28	3.196	17.298	15343933	116.273	1200	ug/ml