

Report of Analysis

Client:	PSEG	Date Collected:	02/20/25
Project:	Bloomfield Substation	Date Received:	02/20/25
Client Sample ID:	TP7	SDG No.:	Q1397
Lab Sample ID:	Q1397-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/21/25 08:29	02/21/25 14:43	PB166818

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.90		1	2.04	2.27	mg/kg FE052440.D
Aliphatic C9-C28	Aliphatic C9-C28	8.48		1	1.95	4.53	mg/kg FE052440.D
Total AliphaticEPH	Total AliphaticEPH	12.4			3.99	6.80	mg/kg
Total EPH	Total EPH	12.4			3.99	6.80	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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Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052440.D	1	02/21/25	02/21/25	PB166818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.48		1.95	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.90		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.4		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1397-03	Acq On:	21 Feb 2025 14:43
Client Sample ID:	TP7	Operator:	YP\AJ
Data file:	FE052440.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.154	6.798	1036050	6.648	300	ug/ml
Aliphatic C12-C16	6.799	10.250	1177745	7.339	200	ug/ml
Aliphatic C16-C21	10.251	13.629	10289969	64.105	300	ug/ml
Aliphatic C21-C28	13.630	17.300	5284524	34.005	400	ug/ml
Aliphatic C28-C40	17.301	22.215	6748422	51.521	600	ug/ml
Aliphatic EPH	3.154	22.215	24536710	163.618		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	6799510	36.37		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	5422254	39.01		ug/ml
Aliphatic C9-C28	3.154	17.300	17788288	112.097	1200	ug/ml