

Report of Analysis

Client:	PSEG	Date Collected:	02/19/25
Project:	Palisades Electric HQ	Date Received:	02/19/25
Client Sample ID:	SOIL-COMP	SDG No.:	Q1393
Lab Sample ID:	Q1393-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/20/25 08:05	02/20/25 17:25	PB166795

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.65		1	2.13	2.36	mg/kg	FE052430.D
Aliphatic C9-C28	Aliphatic C9-C28	4.73	U	1	2.03	4.73	mg/kg	FE052430.D
Total AliphaticEPH	Total AliphaticEPH	5.65	J		4.16	7.09	mg/kg	
Total EPH	Total EPH	5.65	J		4.16	7.09	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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Sample Wt/Vol:	30.06 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
FE052430.D	1	02/20/25	02/20/25	PB166795

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	2.03	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.65		2.13	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.1		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.3		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1393-01	Acq On:	20 Feb 2025 17:25
Client Sample ID:	SOIL-COMP	Operator:	YP\AJ
Data file:	FE052430.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.800	948713	6.088	300	ug/ml
Aliphatic C12-C16	6.801	10.254	1417445	8.833	200	ug/ml
Aliphatic C16-C21	10.255	13.635	1033836	6.441	300	ug/ml
Aliphatic C21-C28	13.636	17.308	1382210	8.894	400	ug/ml
Aliphatic C28-C40	17.309	22.232	9383160	71.636	600	ug/ml
Aliphatic EPH	3.155	22.232	14165364	101.891		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	6034959	32.28		ug/ml
1-chlorooctadecane (SURR)	13.364	13.364	4735886	34.07		ug/ml
Aliphatic C9-C28	3.155	17.308	4782204	30.256	1200	ug/ml