

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Locust Street 69kV Breaker	Date Received:	
Client Sample ID:	PB169458BS	SDG No.:	Q2971
Lab Sample ID:	PB169458BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/29/25 08:12	08/29/25 13:43	PB169458

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	130			2.09	5.99	mg/kg
Total EPH	Total EPH	130			2.09	5.99	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016282.D	1	08/29/25	08/29/25	PB169458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	95.0	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.0		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169458BS	Acq On:	29 Aug 2025 13:43
Client Sample ID:	PB169458BS	Operator:	YP\AJ
Data file:	FF016282.D	Misc:	
Instrument:	FID_F	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.232	6.870	30623801	258.504	300	ug/ml
Aliphatic C12-C16	6.871	10.313	40033100	326.285	200	ug/ml
Aliphatic C16-C21	10.314	13.684	47860173	373.548	300	ug/ml
Aliphatic C21-C28	13.685	17.353	58786030	468.031	400	ug/ml
Aliphatic C28-C40	17.354	22.318	52923419	520.509	600	ug/ml
Aliphatic EPH	3.232	22.318	230226523	1950		ug/ml
ortho-Terphenyl (SURR)	11.979	11.979	5644048	39.02		ug/ml
1-chlorooctadecane (SURR)	13.419	13.419	4400752	39.45		ug/ml
Aliphatic C9-C28	3.232	17.353	177303104	1430	1200	ug/ml