

Report of Analysis

Client:	PSEG	Date Collected:	10/07/25
Project:	Harts Lane Substation	Date Received:	10/07/25
Client Sample ID:	HL-WEST	SDG No.:	Q3303
Lab Sample ID:	Q3303-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/08/25 09:45	10/08/25 17:14	PB170021

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.11		1	1.28	2.17	mg/kg	FE056252.D
Aliphatic C9-C28	Aliphatic C9-C28	2.26	J	1	0.99	4.35	mg/kg	FE056252.D
Total AliphaticEPH	Total AliphaticEPH	10.4			2.27	6.52	mg/kg	
Total EPH	Total EPH	10.4			2.27	6.52	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:	30.05 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
FE056252.D	1	10/08/25	10/08/25	PB170021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.26	J	0.99	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.11		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3303-01	Acq On:	08 Oct 2025 17:14
Client Sample ID:	HL-WEST	Operator:	YP\AJ
Data file:	FE056252.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.306	6.940	405769	2.898	300	ug/ml
Aliphatic C12-C16	6.941	10.391	1490017	9.715	200	ug/ml
Aliphatic C16-C21	10.392	13.768	1046492	6.309	300	ug/ml
Aliphatic C21-C28	13.769	17.438	1822926	12.273	400	ug/ml
Aliphatic C28-C40	17.439	22.440	15252601	111.944	600	ug/ml
Aliphatic EPH	3.306	22.440	20017805	143.139		ug/ml
ortho-Terphenyl (SURR)	12.066	12.066	6007088	32.01		ug/ml
1-chlorooctadecane (SURR)	13.502	13.502	4647494	33.3		ug/ml
Aliphatic C9-C28	3.306	17.438	4765204	31.195	1200	ug/ml