

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Waldwick Substation	Date Received:	
Client Sample ID:	7211935-295MS	SDG No.:	Q2709
Lab Sample ID:	Q2709-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/29/25 09:40	07/29/25 16:56	PB169044

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	265			2.16	6.20	mg/kg
Total EPH	Total EPH	265			2.16	6.20	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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Client Sample ID:	7211935-295MS	SDG No.:	Q2709
Lab Sample ID:	Q2709-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.7
Sample Wt/Vol:	30.03      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
FE055071.D	1	07/29/25	07/29/25	PB169044

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	222	E	0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.7	E	1.22	2.07	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	42.6		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.5		40 - 140	79%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2709-01MS	Acq On:	29 Jul 2025 16:56
Client Sample ID:	Q2709-01MS	Operator:	YP\AJ
Data file:	FE055071.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	23377047	188.562	300	ug/ml
Aliphatic C12-C16	6.961	10.412	50395456	379.156	200	ug/ml
Aliphatic C16-C21	10.413	13.792	218088253	1660	300	ug/ml
Aliphatic C21-C28	13.793	17.463	125412441	1010	400	ug/ml
Aliphatic C28-C40	17.464	22.491	74738175	620.291	600	ug/ml
Aliphatic EPH	3.325	22.491	492011372	3860		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	5841219	39.46		ug/ml
1-chlorooctadecane (SURR)	13.530	13.530	4771053	42.61		ug/ml
Aliphatic C9-C28	3.325	17.463	417273197	3240	1200	ug/ml