

Report of Analysis

Client:	PSEG	Date Collected:	08/20/25
Project:	Hamilton Substation	Date Received:	08/20/25
Client Sample ID:	BRIDGE-EAST	SDG No.:	Q2915
Lab Sample ID:	Q2915-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/21/25 11:20	08/21/25 20:18	PB169342

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.68		1	1.25	2.12	mg/kg	FE055437.D
Aliphatic C9-C28	Aliphatic C9-C28	2.54	J	1	0.96	4.24	mg/kg	FE055437.D
Total AliphaticEPH	Total AliphaticEPH	10.2			2.21	6.36	mg/kg	
Total EPH	Total EPH	10.2			2.21	6.36	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055437.D	1	08/21/25	08/21/25	PB169342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.54	J	0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.68		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.2		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2915-04	Acq On:	21 Aug 2025 20:18
Client Sample ID:	BRIDGE-EAST	Operator:	YP\AJ
Data file:	FE055437.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	458589	3.927	300	ug/ml
Aliphatic C12-C16	6.955	10.407	1001145	7.995	200	ug/ml
Aliphatic C16-C21	10.408	13.787	930560	7.362	300	ug/ml
Aliphatic C21-C28	13.788	17.460	2010285	16.682	400	ug/ml
Aliphatic C28-C40	17.461	22.485	12400626	108.79	600	ug/ml
Aliphatic EPH	3.319	22.485	16801205	144.755		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4881858	34.19		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3776137	35.12		ug/ml
Aliphatic C9-C28	3.319	17.460	4400579	35.966	1200	ug/ml