

Report of Analysis

Client:	PSEG	Date Collected:	06/25/25
Project:	Bergen Point Substation	Date Received:	06/25/25
Client Sample ID:	72-11933	SDG No.:	Q2420
Lab Sample ID:	Q2420-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
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
06/26/25 08:50	06/27/25 3:32	PB168624

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1	1.25	2.13	mg/kg FC069307.D
Aliphatic C9-C28	Aliphatic C9-C28	104		5	4.84	21.3	mg/kg FC069317.D
Total AliphaticEPH	Total AliphaticEPH	122			6.09	23.4	mg/kg
Total EPH	Total EPH	122			6.09	23.4	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
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069307.D	1	06/26/25	06/27/25	PB168624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	117	E	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1.25	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2420-01	Acq On:	27 Jun 2025 03:32
Client Sample ID:	72-11933	Operator:	YP/AJ
Data file:	FC069307.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.604	2922889	19.927	300	ug/ml
Aliphatic C12-C16	6.605	10.008	19512471	122.558	200	ug/ml
Aliphatic C16-C21	10.009	13.377	140634473	910.643	300	ug/ml
Aliphatic C21-C28	13.378	17.043	80103653	597.939	400	ug/ml
Aliphatic C28-C40	17.044	22.026	23895418	259.382	600	ug/ml
Aliphatic EPH	3.305	22.026	267068904	1910		ug/ml
ortho-Terphenyl (SURR)	11.682	11.682	4662298	26.99		ug/ml
1-chlorooctadecane (SURR)	13.118	13.118	5873527	44.96		ug/ml
Aliphatic C9-C28	3.305	17.043	243173486	1650	1200	ug/ml