

Report of Analysis

Client:	PSEG	Date Collected:	04/08/25
Project:	Bergen Point Substation	Date Received:	04/08/25
Client Sample ID:	TP-1	SDG No.:	Q1752
Lab Sample ID:	Q1752-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 09:51	04/09/25 16:38	PB167528

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.96		1	1.26	2.13	mg/kg	FC068529.D
Aliphatic C9-C28	Aliphatic C9-C28	3.21	J	1	0.97	4.27	mg/kg	FC068529.D
Total AliphaticEPH	Total AliphaticEPH	6.17	J		2.23	6.40	mg/kg	
Total EPH	Total EPH	6.17	J		2.23	6.40	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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Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.01 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
FC068529.D	1	04/09/25	04/09/25	PB167528

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.21	J	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.96		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.6		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1752-01	Acq On:	09 Apr 2025 16:38
Client Sample ID:	TP-1	Operator:	YP/AJ
Data file:	FC068529.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.348	6.648	1081087	10.268	300	ug/ml
Aliphatic C12-C16	6.649	10.049	984048	9.617	200	ug/ml
Aliphatic C16-C21	10.050	13.416	1032860	10.452	300	ug/ml
Aliphatic C21-C28	13.417	17.080	1391724	14.776	400	ug/ml
Aliphatic C28-C40	17.081	22.083	3746758	41.685	600	ug/ml
Aliphatic EPH	3.348	22.083	8236477	86.799		ug/ml
ortho-Terphenyl (SURR)	11.718	11.718	5044858	39.62		ug/ml
1-chlorooctadecane (SURR)	13.150	13.150	3767187	40.55		ug/ml
Aliphatic C9-C28	3.348	17.080	4489719	45.113	1200	ug/ml