

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Bergen Point	Date Received:	
Client Sample ID:	TP-14MS	SDG No.:	Q2517
Lab Sample ID:	Q2517-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 09:30	07/09/25 19:04	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	172			2.38	6.84	mg/kg
Total EPH	Total EPH	172			2.38	6.84	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

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Bergen Point	Date Received:	
Client Sample ID:	TP-14MS	SDG No.:	Q2517
Lab Sample ID:	Q2517-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 09:30	07/09/25 19:04	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	172			2.38	6.84	mg/kg
Total EPH	Total EPH	172			2.38	6.84	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

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Bergen Point	Date Received:	
Client Sample ID:	TP-14MS	SDG No.:	Q2517
Lab Sample ID:	Q2517-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069406.D	1	07/09/25	07/09/25	PB168768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	116	E	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	56.2	E	1.34	2.28	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	34.1		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.2		40 - 140	62%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2517-01MS	Acq On:	09 Jul 2025 19:04
Client Sample ID:	Q2517-01MS	Operator:	YP/AJ
Data file:	FC069406.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.601	37501357	255.668	300	ug/ml
Aliphatic C12-C16	6.602	10.005	54260930	340.812	200	ug/ml
Aliphatic C16-C21	10.006	13.375	62563577	405.114	300	ug/ml
Aliphatic C21-C28	13.376	17.039	70048399	522.88	400	ug/ml
Aliphatic C28-C40	17.040	22.015	68314421	741.545	600	ug/ml
Aliphatic EPH	3.302	22.015	292688684	2270		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	5382329	31.16		ug/ml
1-chlorooctadecane (SURR)	13.111	13.111	4457240	34.12		ug/ml
Aliphatic C9-C28	3.302	17.039	224374263	1520	1200	ug/ml