

Report of Analysis

Client:	PSEG	Date Collected:	09/29/25
Project:	Irvington ROC Project	Date Received:	09/30/25
Client Sample ID:	S-12(0-0.5)R	SDG No.:	Q3249
Lab Sample ID:	Q3249-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/30/25 12:55	10/01/25 10:29	PB169923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	106		5	7.25	12.3	mg/kg	FE056123.D
Aliphatic C9-C28	Aliphatic C9-C28	149		5	5.59	24.6	mg/kg	FE056123.D
Total AliphaticEPH	Total AliphaticEPH	255			12.8	36.9	mg/kg	
Total EPH	Total EPH	255			12.8	36.9	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056096.D	1	09/30/25	09/30/25	PB169923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	151	E	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	99.5	E	1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.6		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.7		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3249-12	Acq On:	30 Sep 2025 19:17
Client Sample ID:	S-12(0-0.5)R	Operator:	YP\AJ
Data file:	FE056096.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	2339575	16.708	300	ug/ml
Aliphatic C12-C16	6.948	10.397	27218469	177.462	200	ug/ml
Aliphatic C16-C21	10.398	13.775	147632547	889.997	300	ug/ml
Aliphatic C21-C28	13.776	17.446	112515267	757.54	400	ug/ml
Aliphatic C28-C40	17.447	22.455	165516876	1210	600	ug/ml
Aliphatic EPH	3.314	22.455	455222734	3060		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	4452907	23.73		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	5948206	42.62		ug/ml
Aliphatic C9-C28	3.314	17.446	289705858	1840	1200	ug/ml