

Report of Analysis

Client:	PSEG	Date Collected:	09/29/25
Project:	Irvington ROC Project	Date Received:	09/30/25
Client Sample ID:	S-9(0-0.5)R	SDG No.:	Q3249
Lab Sample ID:	Q3249-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/30/25 12:55	10/01/25 9:59	PB169923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	76.9		5	6.50	11.0	mg/kg	FE056122.D
Aliphatic C9-C28	Aliphatic C9-C28	25.6		1	1.00	4.41	mg/kg	FE056095.D
Total AliphaticEPH	Total AliphaticEPH	102			7.50	15.4	mg/kg	
Total EPH	Total EPH	102			7.50	15.4	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056095.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	25.6		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	75.2	E	1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3249-09	Acq On:	30 Sep 2025 18:46
Client Sample ID:	S-9(0-0.5)R	Operator:	YP\AJ
Data file:	FE056095.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	542545	3.875	300	ug/ml
Aliphatic C12-C16	6.948	10.397	3686705	24.037	200	ug/ml
Aliphatic C16-C21	10.398	13.775	38294689	230.858	300	ug/ml
Aliphatic C21-C28	13.776	17.446	13187564	88.789	400	ug/ml
Aliphatic C28-C40	17.447	22.455	139417388	1020	600	ug/ml
Aliphatic EPH	3.314	22.455	195128891	1370		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	4838417	25.78		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	3782603	27.1		ug/ml
Aliphatic C9-C28	3.314	17.446	55711503	347.559	1200	ug/ml