

Report of Analysis

Client:	PSEG	Date Collected:	09/29/25
Project:	Irvington ROC Project	Date Received:	09/30/25
Client Sample ID:	S-3(0-0.5)R	SDG No.:	Q3249
Lab Sample ID:	Q3249-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
Sample Wt/Vol:	30.09	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 8:58	PB169923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	68.5		5	6.98	11.8	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	51.3		1	1.08	4.73	mg/kg
Total AliphaticEPH	Total AliphaticEPH	120			8.06	16.5	mg/kg
Total EPH	Total EPH	120			8.06	16.5	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
FE056093.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	51.3		1.08	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.0	E	1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.9		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3249-01	Acq On:	30 Sep 2025 17:45
Client Sample ID:	S-3(0-0.5)R	Operator:	YP\AJ
Data file:	FE056093.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	606647	4.332	300	ug/ml
Aliphatic C12-C16	6.948	10.397	4996649	32.578	200	ug/ml
Aliphatic C16-C21	10.398	13.775	46066811	277.712	300	ug/ml
Aliphatic C21-C28	13.776	17.446	49909246	336.028	400	ug/ml
Aliphatic C28-C40	17.447	22.455	114131476	837.65	600	ug/ml
Aliphatic EPH	3.314	22.455	215710829	1490		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	4666635	24.87		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4735433	33.93		ug/ml
Aliphatic C9-C28	3.314	17.446	101579353	650.65	1200	ug/ml