284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	09/16/25
Project:	Irvington ROC Project	Date Received:	09/16/25
Client Sample ID:	7211986-357	SDG No.:	Q3117
Lab Sample ID:	Q3117-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/17/25 09:40	09/18/25 9:41	PB169727

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	191		10	12.3	20.8	mg/kg	FE055890.D
Aliphatic C9-C28	Aliphatic C9-C28	459		10	9.44	41.5	mg/kg	FE055890.D
Total AliphaticEPH	Total AliphaticEPH	650			21.7	62.3	mg/kg	
Total EPH	Total EPH	650			21.7	62.3	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055881.D	1	09/17/25	09/17/25	PB169727

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		475	E	0.94	4.15	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		171	E	1.23	2.08	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.0		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3117-01	Acq On:	17 Sep 2025 18:40
Client Sample ID:	7211986-357	Operator:	YP\AJ
Data file:	FE055881.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	859545	6.694	300	ug/ml
Aliphatic C12-C16	6.946	10.397	57286294	424.044	200	ug/ml
Aliphatic C16-C21	10.398	13.776	769067997	5330	300	ug/ml
Aliphatic C21-C28	13.777	17.448	156895254	1100	400	ug/ml
Aliphatic C28-C40	17.449	22.462	340810476	2470	600	ug/ml
Aliphatic EPH	3.311	22.462	1324919566	9330		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	6077546	36.99		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	4632174	37.04		ug/ml
Aliphatic C9-C28	3.311	17.448	984109090	6860	1200	ug/ml