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

Report of Analysis

Client:	PSEG	Date Collected:	09/29/25
Project:	Irvington ROC Project	Date Received:	09/30/25
Client Sample ID:	S-20(0-0.5)R	SDG No.:	Q3249
Lab Sample ID:	Q3249-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.04 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 11:30	PB169923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	54.5		5	6.53	11.1	mg/kg	FE056125.D
Aliphatic C9-C28	Aliphatic C9-C28	8.70		1	1.01	4.43	mg/kg	FE056098.D
Total AliphaticEPH	Total AliphaticEPH	63.2			7.54	15.5	mg/kg	
Total EPH	Total EPH	63.2			7.54	15.5	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
FE056098.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	8.70		1.01	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	48.7	E	1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.7		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.9		40 - 140	50%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3249-20	Acq On:	30 Sep 2025 20:18
Client Sample ID:	S-20(0-0.5)R	Operator:	YP\AJ
Data file:	FE056098.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	619334	4.423	300	ug/ml
Aliphatic C12-C16	6.948	10.397	1692371	11.034	200	ug/ml
Aliphatic C16-C21	10.398	13.775	6357682	38.327	300	ug/ml
Aliphatic C21-C28	13.776	17.446	9522391	64.112	400	ug/ml
Aliphatic C28-C40	17.447	22.455	89993563	660.494	600	ug/ml
Aliphatic EPH	3.314	22.455	108185341	778.39		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	4671253	24.89		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	3871698	27.74		ug/ml
Aliphatic C9-C28	3.314	17.446	18191778	117.896	1200	ug/ml