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-8(0-0.5)R	SDG No.:	Q3249
Lab Sample ID:	Q3249-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.08 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	09/30/25 18:15	PB169923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	35.3		1	1.34	2.27	mg/kg	FE056094.D
Aliphatic C9-C28	Aliphatic C9-C28	4.07	J	1	1.03	4.55	mg/kg	FE056094.D
Total AliphaticEPH	Total AliphaticEPH	39.4			2.37	6.82	mg/kg	
Total EPH	Total EPH	39.4			2.37	6.82	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
FE056094.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		4.07	J	1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		35.3		1.34	2.27	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.7		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		25.9		40 - 140	52%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3249-06	Acq On:	30 Sep 2025 18:15
Client Sample ID:	S-8(0-0.5)R	Operator:	YP\AJ
Data file:	FE056094.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	396628	2.832	300	ug/ml
Aliphatic C12-C16	6.948	10.397	1352150	8.816	200	ug/ml
Aliphatic C16-C21	10.398	13.775	2726239	16.435	300	ug/ml
Aliphatic C21-C28	13.776	17.446	3828039	25.773	400	ug/ml
Aliphatic C28-C40	17.447	22.455	63525994	466.239	600	ug/ml
Aliphatic EPH	3.314	22.455	71829050	520.096		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	4861747	25.91		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	3862037	27.67		ug/ml
Aliphatic C9-C28	3.314	17.446	8303056	53.856	1200	ug/ml