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

Report of Analysis

Client:	PSEG	Date Collected:	06/13/25
Project:	PSEG 48 W Kinney St	Date Received:	06/13/25
Client Sample ID:	TP-1-EPH	SDG No.:	Q2312
Lab Sample ID:	Q2312-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/16/25 08:50	06/16/25 18:48	PB168485

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.08		1	1.35	2.29	mg/kg	FE054412.D
Aliphatic C9-C28	Aliphatic C9-C28	2.13	J	1	1.04	4.57	mg/kg	FE054412.D
Total AliphaticEPH	Total AliphaticEPH	5.21	J		2.39	6.86	mg/kg	
Total EPH	Total EPH	5.21	J		2.39	6.86	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
FE054412.D	1	06/16/25	06/16/25	PB168485

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.13	J	1.04	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.08		1.35	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.0		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.0		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2312-02	Acq On:	16 Jun 2025 18:48
Client Sample ID:	TP-1-EPH	Operator:	YP\AJ
Data file:	FE054412.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.075	6.719	2365610	18.886	300	ug/ml
Aliphatic C12-C16	6.720	10.165	687134	5.239	200	ug/ml
Aliphatic C16-C21	10.166	13.538	505895	3.777	300	ug/ml
Aliphatic C21-C28	13.539	17.207	756974	5.957	400	ug/ml
Aliphatic C28-C40	17.208	22.075	5180386	40.394	600	ug/ml
Aliphatic EPH	3.075	22.075	9495999	74.255		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	5296425	32.05		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	4141003	33.96		ug/ml
Aliphatic C9-C28	3.075	17.207	4315613	33.859	1200	ug/ml