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

Report of Analysis

Client:	PSEG	Date Collected:	03/26/25
Project:	Hackensack Sub HQ	Date Received:	03/26/25
Client Sample ID:	351	SDG No.:	Q1661
Lab Sample ID:	Q1661-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
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
03/27/25 09:55	03/27/25 18:53	PB167350

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.84		1	1.25	2.12	mg/kg	FE053025.D
Aliphatic C9-C28	Aliphatic C9-C28	14.6		1	0.97	4.24	mg/kg	FE053025.D
Total AliphaticEPH	Total AliphaticEPH	24.4			2.21	6.36	mg/kg	
Total EPH	Total EPH	24.4			2.21	6.36	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
FE053025.D	1	03/27/25	03/27/25	PB167350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.6		0.97	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.84		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.1		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1661-02	Acq On:	27 Mar 2025 18:53
Client Sample ID:	351	Operator:	YP\AJ
Data file:	FE053025.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	3.143	6.785	1126165	7.221	300	ug/ml
Aliphatic C12-C16	6.786	10.236	2009089	13.209	200	ug/ml
Aliphatic C16-C21	10.237	13.612	11814600	80.619	300	ug/ml
Aliphatic C21-C28	13.613	17.282	15006961	105.348	400	ug/ml
Aliphatic C28-C40	17.283	22.191	17758983	139.189	600	ug/ml
Aliphatic EPH	3.143	22.191	47715798	345.586		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	5471377	32.45		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4625832	38.1		ug/ml
Aliphatic C9-C28	3.143	17.282	29956815	206.397	1200	ug/ml