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

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	Hackensack Sub HQ	Date Received:	09/24/25
Client Sample ID:	72-11989	SDG No.:	Q3189
Lab Sample ID:	Q3189-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/25/25 10:00	09/25/25 15:39	PB169828

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	30.0		1	1.25	2.13	mg/kg	FE055996.D
Aliphatic C9-C28	Aliphatic C9-C28	5.14		1	0.97	4.25	mg/kg	FE055996.D
Total AliphaticEPH	Total AliphaticEPH	35.1			2.22	6.38	mg/kg	
Total EPH	Total EPH	35.1			2.22	6.38	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
FE055996.D	1	09/25/25	09/25/25	PB169828

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.14		0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.0		1.25	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.3		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3189-01	Acq On:	25 Sep 2025 15:39
Client Sample ID:	72-11989	Operator:	YP\AJ
Data file:	FE055996.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.942	443796	3.169	300	ug/ml
Aliphatic C12-C16	6.943	10.393	1012469	6.601	200	ug/ml
Aliphatic C16-C21	10.394	13.773	2861092	17.248	300	ug/ml
Aliphatic C21-C28	13.774	17.445	6776349	45.624	400	ug/ml
Aliphatic C28-C40	17.446	22.457	57587547	422.655	600	ug/ml
Aliphatic EPH	3.308	22.457	68681253	495.297		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	6056396	32.27		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	4782941	34.27		ug/ml
Aliphatic C9-C28	3.308	17.445	11093706	72.642	1200	ug/ml