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

Report of Analysis

Client:	PSEG	Date Collected:	02/26/25
Project:	Hackensack Sub HQ	Date Received:	02/26/25
Client Sample ID:	351	SDG No.:	Q1442
Lab Sample ID:	Q1442-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
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
02/27/25 08:40	02/27/25 17:53	PB166886

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	37.1		1	2.05	2.28	mg/kg	FE052540.D
Aliphatic C9-C28	Aliphatic C9-C28	8.24		1	1.96	4.56	mg/kg	FE052540.D
Total AliphaticEPH	Total AliphaticEPH	45.3			4.01	6.84	mg/kg	
Total EPH	Total EPH	45.3			4.01	6.84	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
FE052540.D	1	02/27/25	02/27/25	PB166886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.24		1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	37.1		2.05	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.9		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.3		40 - 140	87%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1442-03	Acq On:	27 Feb 2025 17:53
Client Sample ID:	351	Operator:	YP\AJ
Data file:	FE052540.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	3.155	6.799	1050344	6.74	300	ug/ml
Aliphatic C12-C16	6.800	10.251	1435512	8.945	200	ug/ml
Aliphatic C16-C21	10.252	13.629	5967563	37.177	300	ug/ml
Aliphatic C21-C28	13.630	17.301	8616883	55.448	400	ug/ml
Aliphatic C28-C40	17.302	22.224	63946029	488.195	600	ug/ml
Aliphatic EPH	3.155	22.224	81016331	596.505		ug/ml
ortho-Terphenyl (SURR)	11.926	11.926	8101857	43.34		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	6525154	46.94		ug/ml
Aliphatic C9-C28	3.155	17.301	17070302	108.31	1200	ug/ml