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-E2	SDG No.:	Q1442
Lab Sample ID:	Q1442-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.03 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 18:23	PB166886

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1	2.06	2.29	mg/kg	FE052541.D
Aliphatic C9-C28	Aliphatic C9-C28	7.83		1	1.97	4.59	mg/kg	FE052541.D
Total AliphaticEPH	Total AliphaticEPH	34.1			4.03	6.88	mg/kg	
Total EPH	Total EPH	34.1			4.03	6.88	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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Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052541.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	7.83		1.97	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.3		2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.6		40 - 140	69%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1442-04	Acq On:	27 Feb 2025 18:23
Client Sample ID:	351-E2	Operator:	YP\AJ
Data file:	FE052541.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	3.155	6.799	871543	5.592	300	ug/ml
Aliphatic C12-C16	6.800	10.251	1825191	11.374	200	ug/ml
Aliphatic C16-C21	10.252	13.629	7298381	45.468	300	ug/ml
Aliphatic C21-C28	13.630	17.301	7067017	45.475	400	ug/ml
Aliphatic C28-C40	17.302	22.224	45062989	344.033	600	ug/ml
Aliphatic EPH	3.155	22.224	62125121	451.941		ug/ml
ortho-Terphenyl (SURR)	11.921	11.921	6475810	34.64		ug/ml
1-chlorooctadecane (SURR)	13.366	13.366	5164489	37.16		ug/ml
Aliphatic C9-C28	3.155	17.301	17062132	107.909	1200	ug/ml