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

Report of Analysis

Client:	PSEG	Date Collected:	07/09/25
Project:	Hackensack Sub HQ	Date Received:	07/09/25
Client Sample ID:	VNJ-204-EPH	SDG No.:	Q2551
Lab Sample ID:	Q2551-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/10/25 09:25	07/10/25 23:29	PB168786

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.3		1	1.30	2.21	mg/kg	FE054796.D
Aliphatic C9-C28	Aliphatic C9-C28	3.00	J	1	1.01	4.43	mg/kg	FE054796.D
Total AliphaticEPH	Total AliphaticEPH	22.3			2.31	6.64	mg/kg	
Total EPH	Total EPH	22.3			2.31	6.64	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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Lab Sample ID:	Q2551-03		Matrix:	Solid	
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Sample Wt/Vol:	30.06	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
FE054796.D	1	07/10/25	07/10/25	PB168786

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.00	J	1.01	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		19.3		1.30	2.21	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		29.9		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		29.4		40 - 140	59%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2551-03	Acq On:	10 Jul 2025 23:29
Client Sample ID:	VNJ-204-EPH	Operator:	YP\AJ
Data file:	FE054796.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.952	417699	3.07	300	ug/ml
Aliphatic C12-C16	6.953	10.404	976922	6.95	200	ug/ml
Aliphatic C16-C21	10.405	13.781	1778067	12.314	300	ug/ml
Aliphatic C21-C28	13.782	17.452	2643658	18.276	400	ug/ml
Aliphatic C28-C40	17.453	22.471	36285366	261.71	600	ug/ml
Aliphatic EPH	3.319	22.471	42101712	302.319		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	4775824	29.41		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3783029	29.95		ug/ml
Aliphatic C9-C28	3.319	17.452	5816346	40.61	1200	ug/ml