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	SDG No.:	Q2551
Lab Sample ID:	Q2551-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.02 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 22:58	PB168786

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1	1.28	2.16	mg/kg	FE054795.D
Aliphatic C9-C28	Aliphatic C9-C28	7.30		1	0.98	4.32	mg/kg	FE054795.D
Total AliphaticEPH	Total AliphaticEPH	33.6			2.26	6.48	mg/kg	
Total EPH	Total EPH	33.6			2.26	6.48	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
FE054795.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	7.30		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1.28	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.1		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2551-02	Acq On:	10 Jul 2025 22:58
Client Sample ID:	VNJ-204	Operator:	YP\AJ
Data file:	FE054795.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.952	431268	3.17	300	ug/ml
Aliphatic C12-C16	6.953	10.404	1992747	14.176	200	ug/ml
Aliphatic C16-C21	10.405	13.781	5220043	36.151	300	ug/ml
Aliphatic C21-C28	13.782	17.452	6898527	47.691	400	ug/ml
Aliphatic C28-C40	17.453	22.471	50590407	364.885	600	ug/ml
Aliphatic EPH	3.319	22.471	65132992	466.073		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	4390000	27.03		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3554047	28.14		ug/ml
Aliphatic C9-C28	3.319	17.452	14542585	101.188	1200	ug/ml