

Report of Analysis

Client:	PSEG	Date Collected:	07/24/25
Project:	Hackensack Sub HQ	Date Received:	07/24/25
Client Sample ID:	295	SDG No.:	Q2691
Lab Sample ID:	Q2691-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/25/25 08:15	07/25/25 14:44	PB169002

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	161		10	15.3	25.9	mg/kg FE055026.D
Aliphatic C9-C28	Aliphatic C9-C28	18100		250	294	1290	mg/kg FE055043.D
Total AliphaticEPH	Total AliphaticEPH	18300			309	1320	mg/kg
Total EPH	Total EPH	18300			309	1320	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055026.D	10	07/25/25	07/25/25	PB169002

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15800	E	11.8	51.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	161		15.3	25.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2691-01	Acq On:	25 Jul 2025 14:44
Client Sample ID:	295	Operator:	YP\AJ
Data file:	FE055026.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.326	6.961	237612	1.746	300	ug/ml
Aliphatic C12-C16	6.962	10.415	211550773	1500	200	ug/ml
Aliphatic C16-C21	10.416	13.795	1737556712	12000	300	ug/ml
Aliphatic C21-C28	13.796	17.465	686363558	4740	400	ug/ml
Aliphatic C28-C40	17.466	22.494	25864981	186.552	600	ug/ml
Aliphatic EPH	3.326	22.494	2661573636	18500		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.326	17.465	2635708655	18300	1200	ug/ml