

Report of Analysis

Client:	PSEG	Date Collected:	08/15/25
Project:	Hackensack Sub HQ	Date Received:	08/15/25
Client Sample ID:	302	SDG No.:	Q2884
Lab Sample ID:	Q2884-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	5.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/19/25 08:05	08/20/25 10:01	PB169296

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5070		100	773	1310	mg/kg FE055402.D
Aliphatic C9-C28	Aliphatic C9-C28	23400		100	596	2620	mg/kg FE055402.D
Total AliphaticEPH	Total AliphaticEPH	28500			1370	3930	mg/kg
Total EPH	Total EPH	28500			1370	3930	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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Sample Wt/Vol:	5.03 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
FE055392.D	1	08/19/25	08/19/25	PB169296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21500	E	5.96	26.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5650	E	7.73	13.1	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:	Q2884-03	Acq On:	19 Aug 2025 19:34
Client Sample ID:	302	Operator:	YP\AJ
Data file:	FE055392.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.951	10003414	85.658	300	ug/ml
Aliphatic C12-C16	6.952	10.402	96195587	768.169	200	ug/ml
Aliphatic C16-C21	10.403	13.781	1073140778	8490	300	ug/ml
Aliphatic C21-C28	13.782	17.453	4802013669	39800	400	ug/ml
Aliphatic C28-C40	17.454	22.471	1474671020	12900	600	ug/ml
Aliphatic EPH	3.317	22.471	7456024468	62100		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	3.317	17.453	5981353448	49200	1200	ug/ml