

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Secaucus HQ	Date Received:	08/13/25
Client Sample ID:	72-12002	SDG No.:	Q2857
Lab Sample ID:	Q2857-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/15/25 11:18	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	117		5	6.88	11.7	mg/kg FE055322.D
Aliphatic C9-C28	Aliphatic C9-C28	46.8		1	1.06	4.67	mg/kg FE055308.D
Total AliphaticEPH	Total AliphaticEPH	164			7.94	16.4	mg/kg
Total EPH	Total EPH	164			7.94	16.4	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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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055308.D	1	08/14/25	08/14/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	46.8		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	145	E	1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2857-03	Acq On:	14 Aug 2025 19:32
Client Sample ID:	72-12002	Operator:	YP\AJ
Data file:	FE055308.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	955604	8.183	300	ug/ml
Aliphatic C12-C16	6.960	10.413	14413878	115.102	200	ug/ml
Aliphatic C16-C21	10.414	13.792	32859242	259.952	300	ug/ml
Aliphatic C21-C28	13.793	17.465	26364468	218.782	400	ug/ml
Aliphatic C28-C40	17.466	22.492	213167497	1870	600	ug/ml
Aliphatic EPH	3.325	22.492	287760689	2470		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	4263201	29.85		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	3644585	33.9		ug/ml
Aliphatic C9-C28	3.325	17.465	74593192	602.019	1200	ug/ml