

Report of Analysis

Client:	PSEG	Date Collected:	08/20/25
Project:	Secaucus HQ	Date Received:	08/20/25
Client Sample ID:	4065	SDG No.:	Q2909
Lab Sample ID:	Q2909-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/21/25 11:20	08/22/25 11:41	PB169342

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	16100		100	700	1190	mg/kg FE055456.D
Aliphatic C9-C28	Aliphatic C9-C28	33600		100	540	2380	mg/kg FE055456.D
Total AliphaticEPH	Total AliphaticEPH	49700			1240	3560	mg/kg
Total EPH	Total EPH	49700			1240	3560	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
FE055444.D	1	08/21/25	08/21/25	PB169342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	29600	E	5.41	23.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16900	E	7.01	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	101		40 - 140	201%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.3		40 - 140	113%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2909-01	Acq On:	21 Aug 2025 23:50
Client Sample ID:	4065	Operator:	YP\AJ
Data file:	FE055444.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	174651456	1500	300	ug/ml
Aliphatic C12-C16	6.955	10.407	168078495	1340	200	ug/ml
Aliphatic C16-C21	10.408	13.787	660743122	5230	300	ug/ml
Aliphatic C21-C28	13.788	17.460	8026659567	66700	400	ug/ml
Aliphatic C28-C40	17.461	22.485	4863748692	42700	600	ug/ml
Aliphatic EPH	3.319	22.485	13893881332	117000		ug/ml
ortho-Terphenyl (SURR)	12.094	12.094	8037994	56.29		ug/ml
1-chlorooctadecane (SURR)	13.531	13.531	10831601	100.74		ug/ml
Aliphatic C9-C28	3.319	17.460	9030132640	74700	1200	ug/ml