

Report of Analysis

Client:	PSEG	Date Collected:	03/17/25
Project:	Secaucus HQ	Date Received:	03/17/25
Client Sample ID:	20071-E2	SDG No.:	Q1590
Lab Sample ID:	Q1590-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/18/25 11:05	03/18/25 17:13	PB167185

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1	1.23	2.08	mg/kg FE052843.D
Aliphatic C9-C28	Aliphatic C9-C28	11400		200	189	829	mg/kg FE052854.D
Total AliphaticEPH	Total AliphaticEPH	11400			190	831	mg/kg
Total EPH	Total EPH	11400			190	831	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
FE052843.D	1	03/18/25	03/18/25	PB167185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10900	E	0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1.23	2.08	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:	Q1590-03	Acq On:	18 Mar 2025 17:13
Client Sample ID:	20071-E2	Operator:	YP\AJ
Data file:	FE052843.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.792	18099529	116.061	300	ug/ml
Aliphatic C12-C16	6.793	10.244	3757588956	24700	200	ug/ml
Aliphatic C16-C21	10.245	13.622	13798189294	94200	300	ug/ml
Aliphatic C21-C28	13.623	17.296	5405894491	37900	400	ug/ml
Aliphatic C28-C40	17.297	22.214	48458867	379.804	600	ug/ml
Aliphatic EPH	3.149	22.214	23028231137	157000		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	3.149	17.296	22979772270	157000	1200	ug/ml