

Report of Analysis

Client:	PSEG	Date Collected:	03/17/25
Project:	Secaucus HQ	Date Received:	03/17/25
Client Sample ID:	20071	SDG No.:	Q1590
Lab Sample ID:	Q1590-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
Sample Wt/Vol:	5.04	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 16:43	PB167185

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	180		1	7.35	12.5	mg/kg FE052842.D
Aliphatic C9-C28	Aliphatic C9-C28	13000		50	283	1240	mg/kg FE052853.D
Total AliphaticEPH	Total AliphaticEPH	13200			291	1260	mg/kg
Total EPH	Total EPH	13200			291	1260	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
FE052842.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	11500	E	5.67	24.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	180		7.35	12.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.9		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.6		40 - 140	115%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1590-02	Acq On:	18 Mar 2025 16:43
Client Sample ID:	20071	Operator:	YP\AJ
Data file:	FE052842.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.792	6011654	38.549	300	ug/ml
Aliphatic C12-C16	6.793	10.244	789872463	5190	200	ug/ml
Aliphatic C16-C21	10.245	13.622	2449341991	16700	300	ug/ml
Aliphatic C21-C28	13.623	17.296	832702545	5850	400	ug/ml
Aliphatic C28-C40	17.297	22.214	55514034	435.1	600	ug/ml
Aliphatic EPH	3.149	22.214	4133442687	28200		ug/ml
ortho-Terphenyl (SURR)	11.938	11.938	9707044	57.58		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	5931348	48.85		ug/ml
Aliphatic C9-C28	3.149	17.296	4077928653	27800	1200	ug/ml