

Report of Analysis

Client:	PSEG	Date Collected:	04/16/25
Project:	Secaucus HQ	Date Received:	04/16/25
Client Sample ID:	RT-3873-E2	SDG No.:	Q1818
Lab Sample ID:	Q1818-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.3
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
04/17/25 11:10	04/17/25 20:20	PB167630

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.32		1	1.42	2.40	mg/kg	FG015696.D
Aliphatic C9-C28	Aliphatic C9-C28	1.73	J	1	1.09	4.80	mg/kg	FG015696.D
Total AliphaticEPH	Total AliphaticEPH	6.05	J		2.51	7.20	mg/kg	
Total EPH	Total EPH	6.05	J		2.51	7.20	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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Analytical Method:	NJEPH	% Solid:	83.3
Sample Wt/Vol:	30.02 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
FG015696.D	1	04/17/25	04/17/25	PB167630

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.73	J	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.32		1.42	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.3		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.2		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1818-04	Acq On:	17 Apr 2025 20:20
Client Sample ID:	RT-3873-E2	Operator:	YP\AJ
Data file:	FG015696.D	Misc:	
Instrument:	FID_G	ALS Vial:	38
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.789	344852	3.059	300	ug/ml
Aliphatic C12-C16	6.790	10.238	508658	4.406	200	ug/ml
Aliphatic C16-C21	10.239	13.614	427004	3.589	300	ug/ml
Aliphatic C21-C28	13.615	17.285	1191727	10.538	400	ug/ml
Aliphatic C28-C40	17.286	22.195	5323144	53.956	600	ug/ml
Aliphatic EPH	3.150	22.195	7795385	75.548		ug/ml
ortho-Terphenyl (SURR)	11.904	11.904	6258843	43.17		ug/ml
1-chlorooctadecane (SURR)	13.348	13.348	4785030	45.25		ug/ml
Aliphatic C9-C28	3.150	17.285	2472241	21.592	1200	ug/ml