

Report of Analysis

Client:	PSEG	Date Collected:	06/25/25
Project:	Secaucus HQ	Date Received:	06/25/25
Client Sample ID:	RT915	SDG No.:	Q2423
Lab Sample ID:	Q2423-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/26/25 08:50	06/27/25 14:40	PB168624

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	166		10	12.7	21.5	mg/kg FC069320.D
Aliphatic C9-C28	Aliphatic C9-C28	3310		100	97.9	429	mg/kg FC069321.D
Total AliphaticEPH	Total AliphaticEPH	3480			111	450	mg/kg
Total EPH	Total EPH	3480			111	450	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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		Final Vol:	2000
			uL

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069309.D	1	06/26/25	06/27/25	PB168624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3330	E	0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	191	E	1.27	2.15	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:	Q2423-02	Acq On:	27 Jun 2025 04:54
Client Sample ID:	RT915	Operator:	YP/AJ
Data file:	FC069309.D	Misc:	
Instrument:	FID_C	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.604	3940267	26.863	300	ug/ml
Aliphatic C12-C16	6.605	10.008	169020584	1060	200	ug/ml
Aliphatic C16-C21	10.009	13.377	4611570981	29900	300	ug/ml
Aliphatic C21-C28	13.378	17.043	2076794432	15500	400	ug/ml
Aliphatic C28-C40	17.044	22.026	246676534	2680	600	ug/ml
Aliphatic EPH	3.305	22.026	7108002798	49100		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	3.305	17.043	6861326264	46500	1200	ug/ml