

Report of Analysis

Client:	PSEG	Date Collected:	09/10/25
Project:	Secaucus HQ	Date Received:	09/10/25
Client Sample ID:	30-GARFIELD-PL-COMP	SDG No.:	Q3072
Lab Sample ID:	Q3072-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/11/25 10:00	09/11/25 17:04	PB169650

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1	1.28	2.17	mg/kg FG016598.D
Aliphatic C9-C28	Aliphatic C9-C28	18.8		1	0.99	4.35	mg/kg FG016598.D
Total AliphaticEPH	Total AliphaticEPH	34.2			2.27	6.52	mg/kg
Total EPH	Total EPH	34.2			2.27	6.52	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
FG016598.D	1	09/11/25	09/11/25	PB169650

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	18.8		0.99	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.5		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3072-01	Acq On:	11 Sep 2025 17:04
Client Sample ID:	30-GARFIELD-PL-COMP	Operator:	YP\AJ
Data file:	FG016598.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.283	6.926	313750	2.734	300	ug/ml
Aliphatic C12-C16	6.927	10.386	2112820	18.001	200	ug/ml
Aliphatic C16-C21	10.387	13.776	11243679	95.712	300	ug/ml
Aliphatic C21-C28	13.777	17.463	16009138	143.21	400	ug/ml
Aliphatic C28-C40	17.464	22.506	19339960	212.797	600	ug/ml
Aliphatic EPH	3.283	22.506	49019347	472.454		ug/ml
ortho-Terphenyl (SURR)	12.065	12.065	3637393	27.48		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	3300885	32.79		ug/ml
Aliphatic C9-C28	3.283	17.463	29679387	259.657	1200	ug/ml