

Report of Analysis

Client:	PSEG	Date Collected:	03/07/25
Project:	Kearny Switch	Date Received:	03/07/25
Client Sample ID:	72-11930-343-COMP	SDG No.:	Q1524
Lab Sample ID:	Q1524-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:00	03/10/25 15:32	PB167046

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	
TARGETS									
Aliphatic C28-C40	Aliphatic C28-C40	1.75	J	1	1.33	1.13	2.26	mg/kg	FE052701.D
Aliphatic C9-C28	Aliphatic C9-C28	2.94	J	1	1.03	2.26	4.51	mg/kg	FE052701.D
Total AliphaticEPH	Total AliphaticEPH	4.70	J		2.36	3.39	6.77	mg/kg	
Total EPH	Total EPH	4.70	J		2.36	3.39	6.77	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

Report of Analysis

Client:	PSEG	Date Collected:	03/07/25
Project:	Kearny Switch	Date Received:	03/07/25
Client Sample ID:	72-11930-343-COMP	SDG No.:	Q1524
Lab Sample ID:	Q1524-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.06 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
FE052701.D	1	03/10/25	03/10/25	PB167046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28	2.94	J	1.03	3.04	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.75	J	1.33	1.80	2.26	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140		71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.3		40 - 140		69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1524-01	Acq On:	10 Mar 2025 15:32
Client Sample ID:	72-11930-343-COMP	Operator:	YP\AJ
Data file:	FE052701.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	3.151	6.796	1033936	6.63	300	ug/ml
Aliphatic C12-C16	6.797	10.250	772523	5.079	200	ug/ml
Aliphatic C16-C21	10.251	13.630	1180158	8.053	300	ug/ml
Aliphatic C21-C28	13.631	17.305	2762141	19.39	400	ug/ml
Aliphatic C28-C40	17.306	22.234	2967383	23.257	600	ug/ml
Aliphatic EPH	3.151	22.234	8716141	62.409		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	5786100	34.32		ug/ml
1-chlorooctadecane (SURR)	13.360	13.360	4303341	35.44		ug/ml
Aliphatic C9-C28	3.151	17.305	5748758	39.152	1200	ug/ml