

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Kearny Switch	Date Received:	
Client Sample ID:	PB167046BS	SDG No.:	Q1524
Lab Sample ID:	PB167046BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:00	03/10/25 14:31	PB167046

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	----------	-----	-----	------------	-------------------

TARGETS

Total AliphaticEPH	Total AliphaticEPH	104			2.09	3.00	5.99	mg/kg
Total EPH	Total EPH	104			2.09	3.00	5.99	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:	
Project:	Kearny Switch	Date Received:	
Client Sample ID:	PB167046BS	SDG No.:	Q1524
Lab Sample ID:	PB167046BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052699.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	75.7		0.91	2.70	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.3		1.18	1.60	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)	37.7		40 - 140		75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140		72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167046BS	Acq On:	10 Mar 2025 14:31
Client Sample ID:	PB167046BS	Operator:	YP\AJ
Data file:	FE052699.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	32464141	208.172	300	ug/ml
Aliphatic C12-C16	6.797	10.250	38962098	256.164	200	ug/ml
Aliphatic C16-C21	10.251	13.630	42885112	292.635	300	ug/ml
Aliphatic C21-C28	13.631	17.305	53969063	378.858	400	ug/ml
Aliphatic C28-C40	17.306	22.234	54277085	425.405	600	ug/ml
Aliphatic EPH	3.151	22.234	222557499	1560		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	6047200	35.87		ug/ml
1-chlorooctadecane (SURR)	13.360	13.360	4575785	37.68		ug/ml
Aliphatic C9-C28	3.151	17.305	168280414	1140	1200	ug/ml