

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Kearny Switch	Date Received:	
Client Sample ID:	PB167046BSD	SDG No.:	Q1524
Lab Sample ID:	PB167046BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02	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 15:01	PB167046

Datafile

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

Total AliphaticEPH	Total AliphaticEPH	108			2.09	3.00	5.99	mg/kg
Total EPH	Total EPH	108			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

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Client Sample ID:	PB167046BSD	SDG No.:	Q1524
Lab Sample ID:	PB167046BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052700.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	78.6		0.91	2.70	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.6		1.18	1.60	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)	39.1		40 - 140		78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.1		40 - 140		74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167046BSD	Acq On:	10 Mar 2025 15:01
Client Sample ID:	PB167046BSD	Operator:	YP\AJ
Data file:	FE052700.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	33654111	215.803	300	ug/ml
Aliphatic C12-C16	6.797	10.250	40350957	265.295	200	ug/ml
Aliphatic C16-C21	10.251	13.630	44465150	303.417	300	ug/ml
Aliphatic C21-C28	13.631	17.305	56131112	394.036	400	ug/ml
Aliphatic C28-C40	17.306	22.234	56641154	443.934	600	ug/ml
Aliphatic EPH	3.151	22.234	231242484	1620		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	6258101	37.12		ug/ml
1-chlorooctadecane (SURR)	13.361	13.361	4745686	39.08		ug/ml
Aliphatic C9-C28	3.151	17.305	174601330	1180	1200	ug/ml