284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Elizabeth-Roselle poles	Date Received:	
Client Sample ID:	PB168723BSD	SDG No.:	Q2493
Lab Sample ID:	PB168723BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 12:57	PB168723

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	33.7		1	1.18	2.00	mg/kg	FC069378.D
Aliphatic C9-C28	Aliphatic C9-C28	79.4		1	0.91	4.00	mg/kg	FC069378.D
Total AliphaticEPH	Total AliphaticEPH	113			2.09	6.00	mg/kg	
Total EPH	Total EPH	113			2.09	6.00	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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Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
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Lab Sample ID:	PB168723BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 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
FC069378.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	79.4		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.4		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168723BSD	Acq On:	07 Jul 2025 12:57
Client Sample ID:	PB168723BSD	Operator:	YP/AJ
Data file:	FC069378.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.602	34631725	236.105	300	ug/ml
Aliphatic C12-C16	6.603	10.006	44119588	277.115	200	ug/ml
Aliphatic C16-C21	10.007	13.376	45987496	297.78	300	ug/ml
Aliphatic C21-C28	13.377	17.041	51006980	380.745	400	ug/ml
Aliphatic C28-C40	17.042	22.022	46569670	505.508	600	ug/ml
Aliphatic EPH	3.302	22.022	222315459	1700		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	6637123	38.42		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	5211904	39.89		ug/ml
Aliphatic C9-C28	3.302	17.041	175745789	1190	1200	ug/ml