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

Report of Analysis

Client:	PSEG			Date Collected:	
Project:	Pennsauken M&R			Date Received:	
Client Sample ID:	PB169683BSD			SDG No.:	Q3091
Lab Sample ID:	PB169683BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/15/25 08:30	09/15/25 14:34	PB169683

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	23.2		1	1.18	2.00	mg/kg	FE055827.D
Aliphatic C9-C28	Aliphatic C9-C28	78.0		1	0.91	3.99	mg/kg	FE055827.D
Total AliphaticEPH	Total AliphaticEPH	101			2.09	5.99	mg/kg	
Total EPH	Total EPH	101			2.09	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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Lab Sample ID:	PB169683BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 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
FE055827.D	1	09/15/25	09/15/25	PB169683

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	78.0		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.9		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.9		40 - 140	88%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169683BSD	Acq On:	15 Sep 2025 14:34
Client Sample ID:	PB169683BSD	Operator:	YP\AJ
Data file:	FE055827.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	3.312	6.945	26571863	206.94	300	ug/ml
Aliphatic C12-C16	6.946	10.397	38479987	284.836	200	ug/ml
Aliphatic C16-C21	10.398	13.775	43645227	302.635	300	ug/ml
Aliphatic C21-C28	13.776	17.446	53676896	374.745	400	ug/ml
Aliphatic C28-C40	17.447	22.458	47905132	347.845	600	ug/ml
Aliphatic EPH	3.312	22.458	210279105	1520		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	7207236	43.87		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	5618075	44.93		ug/ml
Aliphatic C9-C28	3.312	17.446	162373973	1170	1200	ug/ml