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

Report of Analysis

Client:	PSEG			Date Collected:	09/29/25
Project:	Pennsauken M&R			Date Received:	09/29/25
Client Sample ID:	12-8-EPH-D			SDG No.:	Q3245
Lab Sample ID:	Q3245-14			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.8
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
09/30/25 10:10	09/30/25 20:33	PB169910

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.41		1	1.27	2.15	mg/kg	FG016710.D
Aliphatic C9-C28	Aliphatic C9-C28	3.37	J	1	0.98	4.32	mg/kg	FG016710.D
Total AliphaticEPH	Total AliphaticEPH	10.8			2.25	6.47	mg/kg	
Total EPH	Total EPH	10.8			2.25	6.47	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:	12-8-EPH-D		SDG No.:	Q3245	
Lab Sample ID:	Q3245-14		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.8	
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
FG016710.D	1	09/30/25	09/30/25	PB169910

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.37	J	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.41		1.27	2.15	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		34.1		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3245-14	Acq On:	30 Sep 2025 20:33
Client Sample ID:	12-8-EPH-D	Operator:	YP\AJ
Data file:	FG016710.D	Misc:	
Instrument:	FID_G	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.276	6.919	428063	3.706	300	ug/ml
Aliphatic C12-C16	6.920	10.377	839092	6.957	200	ug/ml
Aliphatic C16-C21	10.378	13.767	4678201	36.184	300	ug/ml
Aliphatic C21-C28	13.768	17.453	910504	7.067	400	ug/ml
Aliphatic C28-C40	17.454	22.487	10467094	103.206	600	ug/ml
Aliphatic EPH	3.276	22.487	17322954	157.12		ug/ml
ortho-Terphenyl (SURR)	12.058	12.058	4864144	34.1		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	3900584	34.56		ug/ml
Aliphatic C9-C28	3.276	17.453	6855860	53.914	1200	ug/ml