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:	13-1-EPH-A			SDG No.:	Q3245
Lab Sample ID:	Q3245-03			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	90.4
Sample Wt/Vol:	30.04	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 16:06	PB169910

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	28.9		1	1.30	2.21	mg/kg	FG016701.D
Aliphatic C9-C28	Aliphatic C9-C28	2.48	J	1	1.01	4.41	mg/kg	FG016701.D
Total AliphaticEPH	Total AliphaticEPH	31.4			2.31	6.62	mg/kg	
Total EPH	Total EPH	31.4			2.31	6.62	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:	13-1-EPH-A		SDG No.:	Q3245	
Lab Sample ID:	Q3245-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.4	
Sample Wt/Vol:	30.04	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
FG016701.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		2.48	J	1.01	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		28.9		1.30	2.21	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		29.7		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		30.2		40 - 140	60%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3245-03	Acq On:	30 Sep 2025 16:06
Client Sample ID:	13-1-EPH-A	Operator:	YP\AJ
Data file:	FG016701.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.276	6.919	310290	2.686	300	ug/ml
Aliphatic C12-C16	6.920	10.377	793568	6.579	200	ug/ml
Aliphatic C16-C21	10.378	13.767	969308	7.497	300	ug/ml
Aliphatic C21-C28	13.768	17.453	2170831	16.849	400	ug/ml
Aliphatic C28-C40	17.454	22.487	39781377	392.247	600	ug/ml
Aliphatic EPH	3.276	22.487	44025374	425.86		ug/ml
ortho-Terphenyl (SURR)	12.059	12.059	4309065	30.21		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	3349158	29.67		ug/ml
Aliphatic C9-C28	3.276	17.453	4243997	33.611	1200	ug/ml