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:	12-1-EPH-C			SDG No.:	Q3245
Lab Sample ID:	Q3245-21			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	90.9
Sample Wt/Vol:	30.06	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	10/01/25 4:26	PB169910

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.8		1	1.30	2.20	mg/kg	FE056112.D
Aliphatic C9-C28	Aliphatic C9-C28	3.05	J	1	1.00	4.39	mg/kg	FE056112.D
Total AliphaticEPH	Total AliphaticEPH	24.8			2.30	6.59	mg/kg	
Total EPH	Total EPH	24.8			2.30	6.59	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 :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056112.D	1	09/30/25	10/01/25	PB169910

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.05	J	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		21.8		1.30	2.20	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		30.9		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3245-21	Acq On:	01 Oct 2025 04:26
Client Sample ID:	12-1-EPH-C	Operator:	YP\AJ
Data file:	FE056112.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	450485	3.217	300	ug/ml
Aliphatic C12-C16	6.948	10.397	1248944	8.143	200	ug/ml
Aliphatic C16-C21	10.398	13.775	1688833	10.181	300	ug/ml
Aliphatic C21-C28	13.776	17.446	2982933	20.083	400	ug/ml
Aliphatic C28-C40	17.447	22.455	40607102	298.03	600	ug/ml
Aliphatic EPH	3.314	22.455	46978297	339.654		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	5807530	30.95		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4579248	32.81		ug/ml
Aliphatic C9-C28	3.314	17.446	6371195	41.624	1200	ug/ml