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

Report of Analysis

Client:	PSEG		Date Collected:	08/28/25	
Project:	Lawrenceville HQ		Date Received:	08/28/25	
Client Sample ID:	LAW-25-0128		SDG No.:	Q2983	
Lab Sample ID:	Q2983-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.9	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/29/25 09:45	09/02/25 14:16	PB169462

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	237		20	26.5	45.0	mg/kg	FE055622.D
Aliphatic C9-C28	Aliphatic C9-C28	939		20	20.4	90.0	mg/kg	FE055622.D
Total AliphaticEPH	Total AliphaticEPH	1180			46.9	135	mg/kg	
Total EPH	Total EPH	1180			46.9	135	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
FE055613.D	1	08/29/25	08/29/25	PB169462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	828	E	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	263	E	1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.4		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.3		40 - 140	41%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2983-01	Acq On:	29 Aug 2025 23:10
Client Sample ID:	LAW-25-0128	Operator:	YP\AJ
Data file:	FE055613.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	628088	4.892	300	ug/ml
Aliphatic C12-C16	6.948	10.399	2506389	18.553	200	ug/ml
Aliphatic C16-C21	10.400	13.777	142654998	989.168	300	ug/ml
Aliphatic C21-C28	13.778	17.448	1437423772	10000	400	ug/ml
Aliphatic C28-C40	17.449	22.462	484077554	3510	600	ug/ml
Aliphatic EPH	3.313	22.462	2067290801	14600		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	3339128	20.33		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	2931079	23.44		ug/ml
Aliphatic C9-C28	3.313	17.448	1583213247	11000	1200	ug/ml