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

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-03B	SDG No.:	Q2207
Lab Sample ID:	Q2207-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/05/25 08:30	06/05/25 17:45	PB168297

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1	1.32	2.24	mg/kg	FE054197.D
Aliphatic C9-C28	Aliphatic C9-C28	6.07		1	1.02	4.49	mg/kg	FE054197.D
Total AliphaticEPH	Total AliphaticEPH	16.4			2.34	6.73	mg/kg	
Total EPH	Total EPH	16.4			2.34	6.73	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054197.D	1	06/05/25	06/05/25	PB168297

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.07		1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.0		40 - 140	128%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.6		40 - 140	115%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-08	Acq On:	05 Jun 2025 17:45
Client Sample ID:	BU-703-03B	Operator:	YP\AJ
Data file:	FE054197.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.084	6.729	241959	1.785	300	ug/ml
Aliphatic C12-C16	6.730	10.176	1069682	7.927	200	ug/ml
Aliphatic C16-C21	10.177	13.550	8153963	61.814	300	ug/ml
Aliphatic C21-C28	13.551	17.218	1418987	11.427	400	ug/ml
Aliphatic C28-C40	17.219	22.088	15947228	138.154	600	ug/ml
Aliphatic EPH	3.084	22.088	26831819	221.107		ug/ml
ortho-Terphenyl (SURR)	11.840	11.840	9364589	57.62		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	7590874	64.03		ug/ml
Aliphatic C9-C28	3.084	17.218	10884591	82.953	1200	ug/ml