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-703-06B	SDG No.:	Q2207
Lab Sample ID:	Q2207-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.1
Sample Wt/Vol:	30.09 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 15:24	PB168297

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.91		1	1.61	2.73	mg/kg	FG015936.D
Aliphatic C9-C28	Aliphatic C9-C28	5.45	U	1	1.24	5.45	mg/kg	FG015936.D
Total AliphaticEPH	Total AliphaticEPH	8.91			2.85	8.18	mg/kg	
Total EPH	Total EPH	8.91			2.85	8.18	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
FG015936.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	0.000	U	1.24	5.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.91		1.61	2.73	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.4		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.1		40 - 140	70%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-17	Acq On:	05 Jun 2025 15:24
Client Sample ID:	BU-703-06B	Operator:	YP\AJ
Data file:	FG015936.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	253756	2.235	300	ug/ml
Aliphatic C12-C16	6.766	10.215	728544	6.242	200	ug/ml
Aliphatic C16-C21	10.216	13.591	311222	2.547	300	ug/ml
Aliphatic C21-C28	13.592	17.262	840005	6.992	400	ug/ml
Aliphatic C28-C40	17.263	22.162	10821062	97.987	600	ug/ml
Aliphatic EPH	3.120	22.162	12954589	116.003		ug/ml
ortho-Terphenyl (SURR)	11.880	11.880	5229291	35.12		ug/ml
1-chlorooctadecane (SURR)	13.325	13.325	5461061	47.41		ug/ml
Aliphatic C9-C28	3.120	17.262	2133527	18.016	1200	ug/ml