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-703-09A	SDG No.:	Q2207
Lab Sample ID:	Q2207-25	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.08 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 17:53	PB168297

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.79		1	1.40	2.38	mg/kg	FG015941.D
Aliphatic C9-C28	Aliphatic C9-C28	10.4		1	1.08	4.75	mg/kg	FG015941.D
Total AliphaticEPH	Total AliphaticEPH	17.2			2.48	7.13	mg/kg	
Total EPH	Total EPH	17.2			2.48	7.13	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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Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-09A	SDG No.:	Q2207
Lab Sample ID:	Q2207-25	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.08 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
FG015941.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	10.4		1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.79		1.40	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.0		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.6		40 - 140	95%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2207-25	Acq On:	05 Jun 2025 17:53
Client Sample ID:	BU-703-09A	Operator:	YP\AJ
Data file:	FG015941.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	269274	2.372	300	ug/ml
Aliphatic C12-C16	6.766	10.215	890236	7.627	200	ug/ml
Aliphatic C16-C21	10.216	13.591	13719265	112.27	300	ug/ml
Aliphatic C21-C28	13.592	17.262	1131414	9.417	400	ug/ml
Aliphatic C28-C40	17.263	22.162	9459385	85.657	600	ug/ml
Aliphatic EPH	3.120	22.162	25469574	217.342		ug/ml
ortho-Terphenyl (SURR)	11.881	11.881	7087817	47.61		ug/ml
1-chlorooctadecane (SURR)	13.324	13.324	6109592	53.03		ug/ml
Aliphatic C9-C28	3.120	17.262	16010189	131.686	1200	ug/ml