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-703-17B	SDG No.:	Q2208
Lab Sample ID:	Q2208-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
06/05/25 10:10	06/05/25 23:19	PB168301

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.83		1	1.35	2.29	mg/kg	FG015950.D
Aliphatic C9-C28	Aliphatic C9-C28	4.59	U	1	1.04	4.59	mg/kg	FG015950.D
Total AliphaticEPH	Total AliphaticEPH	4.83	J		2.39	6.88	mg/kg	
Total EPH	Total EPH	4.83	J		2.39	6.88	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

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-703-17B	SDG No.:	Q2208
Lab Sample ID:	Q2208-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.06 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
FG015950.D	1	06/05/25	06/05/25	PB168301

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.83		1.35	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.5		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.8		40 - 140	72%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-06	Acq On:	05 Jun 2025 23:19
Client Sample ID:	BU-703-17B	Operator:	YP\AJ
Data file:	FG015950.D	Misc:	
Instrument:	FID_G	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	244713	2.156	300	ug/ml
Aliphatic C12-C16	6.766	10.215	780294	6.685	200	ug/ml
Aliphatic C16-C21	10.216	13.591	369790	3.026	300	ug/ml
Aliphatic C21-C28	13.592	17.262	634282	5.279	400	ug/ml
Aliphatic C28-C40	17.263	22.162	6977165	63.18	600	ug/ml
Aliphatic EPH	3.120	22.162	9006244	80.326		ug/ml
ortho-Terphenyl (SURR)	11.876	11.876	5323136	35.75		ug/ml
1-chlorooctadecane (SURR)	13.321	13.321	4431388	38.47		ug/ml
Aliphatic C9-C28	3.120	17.262	2029079	17.146	1200	ug/ml