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-703-17A	SDG No.:	Q2208
Lab Sample ID:	Q2208-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
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
06/05/25 10:10	06/05/25 22:50	PB168301

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.16		1	1.37	2.32	mg/kg	FG015949.D
Aliphatic C9-C28	Aliphatic C9-C28	1.07	J	1	1.05	4.63	mg/kg	FG015949.D
Total AliphaticEPH	Total AliphaticEPH	6.23	J		2.42	6.95	mg/kg	
Total EPH	Total EPH	6.23	J		2.42	6.95	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

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Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-17A	SDG No.:	Q2208
Lab Sample ID:	Q2208-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.02 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
FG015949.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		1.07	J	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		5.16		1.37	2.32	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.6		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.3		40 - 140	73%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-05	Acq On:	05 Jun 2025 22:50
Client Sample ID:	BU-703-17A	Operator:	YP\AJ
Data file:	FG015949.D	Misc:	
Instrument:	FID_G	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.765	254408	2.241	300	ug/ml
Aliphatic C12-C16	6.766	10.215	906413	7.765	200	ug/ml
Aliphatic C16-C21	10.216	13.591	469665	3.843	300	ug/ml
Aliphatic C21-C28	13.592	17.262	929652	7.738	400	ug/ml
Aliphatic C28-C40	17.263	22.162	7374500	66.778	600	ug/ml
Aliphatic EPH	3.120	22.162	9934638	88.365		ug/ml
ortho-Terphenyl (SURR)	11.877	11.877	5408382	36.33		ug/ml
1-chlorooctadecane (SURR)	13.321	13.321	4566422	39.64		ug/ml
Aliphatic C9-C28	3.120	17.262	2560138	21.587	1200	ug/ml