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-703-18B	SDG No.:	Q2208
Lab Sample ID:	Q2208-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.5
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
06/06/25 09:00	06/06/25 14:05	PB168308

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.84		1	1.41	2.39	mg/kg	FG015963.D
Aliphatic C9-C28	Aliphatic C9-C28	4.36	J	1	1.09	4.77	mg/kg	FG015963.D
Total AliphaticEPH	Total AliphaticEPH	9.20			2.50	7.16	mg/kg	
Total EPH	Total EPH	9.20			2.50	7.16	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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Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015963.D	1	06/06/25	06/06/25	PB168308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.36	J	1.09	4.77	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.84		1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.9		40 - 140	70%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-08	Acq On:	06 Jun 2025 14:05
Client Sample ID:	BU-703-18B	Operator:	YP\AJ
Data file:	FG015963.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	292895	2.58	300	ug/ml
Aliphatic C12-C16	6.762	10.209	736785	6.312	200	ug/ml
Aliphatic C16-C21	10.210	13.585	5608442	45.896	300	ug/ml
Aliphatic C21-C28	13.586	17.255	628257	5.229	400	ug/ml
Aliphatic C28-C40	17.256	22.148	6706178	60.726	600	ug/ml
Aliphatic EPH	3.118	22.148	13972557	120.743		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	5192464	34.88		ug/ml
1-chlorooctadecane (SURR)	13.318	13.318	4280663	37.16		ug/ml
Aliphatic C9-C28	3.118	17.255	7266379	60.017	1200	ug/ml