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-703-20A	SDG No.:	Q2208
Lab Sample ID:	Q2208-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
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
06/06/25 09:00	06/06/25 15:34	PB168308

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.69		1	1.29	2.19	mg/kg	FG015966.D
Aliphatic C9-C28	Aliphatic C9-C28	6.47		1	1.00	4.39	mg/kg	FG015966.D
Total AliphaticEPH	Total AliphaticEPH	11.2			2.29	6.58	mg/kg	
Total EPH	Total EPH	11.2			2.29	6.58	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-703-20A	SDG No.:	Q2208
Lab Sample ID:	Q2208-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
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
FG015966.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	6.47		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.69		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.7		40 - 140	129%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	60.6		40 - 140	121%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-14	Acq On:	06 Jun 2025 15:34
Client Sample ID:	BU-703-20A	Operator:	YP\AJ
Data file:	FG015966.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	231577	2.04	300	ug/ml
Aliphatic C12-C16	6.762	10.209	1377216	11.799	200	ug/ml
Aliphatic C16-C21	10.210	13.585	8053266	65.903	300	ug/ml
Aliphatic C21-C28	13.586	17.255	1296872	10.794	400	ug/ml
Aliphatic C28-C40	17.256	22.148	7086100	64.166	600	ug/ml
Aliphatic EPH	3.118	22.148	18045031	154.702		ug/ml
ortho-Terphenyl (SURR)	11.877	11.877	9023148	60.6		ug/ml
1-chlorooctadecane (SURR)	13.322	13.322	7457851	64.74		ug/ml
Aliphatic C9-C28	3.118	17.255	10958931	90.536	1200	ug/ml