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

Report of Analysis

Client:	PSEG	Date Collected:	04/08/25
Project:	Ironbound Substation - Emmet	Date Received:	04/08/25
Client Sample ID:	IB-1.5-EPH	SDG No.:	Q1748
Lab Sample ID:	Q1748-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 09:51	04/10/25 8:30	PB167528

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	67.9		2	2.90	4.91	mg/kg	FE053298.D
Aliphatic C9-C28	Aliphatic C9-C28	19.6		1	1.12	4.92	mg/kg	FE053279.D
Total AliphaticEPH	Total AliphaticEPH	87.5			4.02	9.83	mg/kg	
Total EPH	Total EPH	87.5			4.02	9.83	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
FE053279.D	1	04/09/25	04/09/25	PB167528

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	19.6		1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	68.2	E	1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.8		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.2		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1748-02	Acq On:	09 Apr 2025 15:28
Client Sample ID:	IB-1.5-EPH	Operator:	YP\AJ
Data file:	FE053279.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.774	4236784	27.153	300	ug/ml
Aliphatic C12-C16	6.775	10.223	6295969	40.981	200	ug/ml
Aliphatic C16-C21	10.224	13.598	7909525	54.799	300	ug/ml
Aliphatic C21-C28	13.599	17.267	15730882	117.091	400	ug/ml
Aliphatic C28-C40	17.268	22.161	103551692	833.37	600	ug/ml
Aliphatic EPH	3.135	22.161	137724852	1070		ug/ml
ortho-Terphenyl (SURR)	11.887	11.887	4589333	28.18		ug/ml
1-chlorooctadecane (SURR)	13.332	13.332	3693600	30.77		ug/ml
Aliphatic C9-C28	3.135	17.267	34173160	240.024	1200	ug/ml