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

Report of Analysis

Client:	PSEG	Date Collected:	01/28/25
Project:	PSEG Springfield - Front Poles - Roselle Park	Date Received:	01/28/25
Client Sample ID:	WC-4-EPH	SDG No.:	Q1209
Lab Sample ID:	Q1209-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/29/25 09:41	01/29/25 18:56	PB166336

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.5		1	2.15	2.38	mg/kg	FE052127.D
Aliphatic C9-C28	Aliphatic C9-C28	25.4		1	2.05	4.76	mg/kg	FE052127.D
Total AliphaticEPH	Total AliphaticEPH	38.9			4.20	7.14	mg/kg	
Total EPH	Total EPH	38.9			4.20	7.14	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
FE052127.D	1	01/29/25	01/29/25	PB166336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	25.4		2.05	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.5		2.15	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.3		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.6		40 - 140	43%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1209-02	Acq On:	29 Jan 2025 18:56
Client Sample ID:	WC-4-EPH	Operator:	YP\AJ
Data file:	FE052127.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.576	7.131	395513	3.607	300	ug/ml
Aliphatic C12-C16	7.132	10.531	1352284	11.156	200	ug/ml
Aliphatic C16-C21	10.532	13.874	16727280	127.506	300	ug/ml
Aliphatic C21-C28	13.875	17.518	24009707	181.81	400	ug/ml
Aliphatic C28-C40	17.519	22.537	18194463	169.579	600	ug/ml
Aliphatic EPH	3.576	22.537	60679247	493.658		ug/ml
ortho-Terphenyl (SURR)	12.194	12.194	3088384	21.61		ug/ml
1-chlorooctadecane (SURR)	13.609	13.609	3249664	28.33		ug/ml
Aliphatic C9-C28	3.576	17.518	42484784	324.079	1200	ug/ml