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

Report of Analysis

Client:	PSEG			Date Collected:	08/06/25
Project:	PSEG Metro Way			Date Received:	08/06/25
Client Sample ID:	TP-4-EPH			SDG No.:	Q2779
Lab Sample ID:	Q2779-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	69.3
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
08/07/25 09:25	08/08/25 8:13	PB169156

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	216		5	8.51	14.4	mg/kg	FC069614.D
Aliphatic C9-C28	Aliphatic C9-C28	176		5	6.56	28.8	mg/kg	FC069614.D
Total AliphaticEPH	Total AliphaticEPH	392			15.1	43.2	mg/kg	
Total EPH	Total EPH	392			15.1	43.2	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
FC069607.D	1	08/07/25	08/07/25	PB169156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	161	E	1.31	5.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	179	E	1.70	2.88	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	84%	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:	Q2779-02	Acq On:	07 Aug 2025 19:35
Client Sample ID:	TP-4-EPH	Operator:	YP/AJ
Data file:	FC069607.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.597	11585701	80.079	300	ug/ml
Aliphatic C12-C16	6.598	10.000	9564505	66.682	200	ug/ml
Aliphatic C16-C21	10.001	13.368	45749274	342.534	300	ug/ml
Aliphatic C21-C28	13.369	17.033	140961982	1190	400	ug/ml
Aliphatic C28-C40	17.034	22.008	178462770	1870	600	ug/ml
Aliphatic EPH	3.300	22.008	386324232	3550		ug/ml
ortho-Terphenyl (SURR)	11.672	11.672	5212650	34.94		ug/ml
1-chlorooctadecane (SURR)	13.109	13.109	4606700	42.25		ug/ml
Aliphatic C9-C28	3.300	17.033	207861462	1680	1200	ug/ml