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			SDG No.:	Q2779
Lab Sample ID:	Q2779-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	84.2
Sample Wt/Vol:	30.06	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 7:32	PB169156

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	80.1		2	2.80	4.74	mg/kg	FC069613.D
Aliphatic C9-C28	Aliphatic C9-C28	88.5		1	1.08	4.75	mg/kg	FC069603.D
Total AliphaticEPH	Total AliphaticEPH	169			3.88	9.49	mg/kg	
Total EPH	Total EPH	169			3.88	9.49	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
FC069603.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	88.5		1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	68.0	E	1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.8		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.2		40 - 140	70%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2779-01	Acq On:	07 Aug 2025 16:46
Client Sample ID:	TP-4	Operator:	YP/AJ
Data file:	FC069603.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.597	9102680	62.916	300	ug/ml
Aliphatic C12-C16	6.598	10.000	8710300	60.726	200	ug/ml
Aliphatic C16-C21	10.001	13.368	40177037	300.814	300	ug/ml
Aliphatic C21-C28	13.369	17.033	82140342	694.293	400	ug/ml
Aliphatic C28-C40	17.034	22.008	82044875	860.774	600	ug/ml
Aliphatic EPH	3.300	22.008	222175234	1980		ug/ml
ortho-Terphenyl (SURR)	11.670	11.670	5257343	35.24		ug/ml
1-chlorooctadecane (SURR)	13.107	13.107	4443954	40.76		ug/ml
Aliphatic C9-C28	3.300	17.033	140130359	1120	1200	ug/ml