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

Report of Analysis

Client:	PSEG	Date Collected:	07/21/25
Project:	Washington St- Bay St OP	Date Received:	07/21/25
Client Sample ID:	TP-1-EPH	SDG No.:	Q2668
Lab Sample ID:	Q2668-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/23/25 11:20	07/23/25 18:24	PB168980

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.3		1	1.45	2.46	mg/kg	FE054993.D
Aliphatic C9-C28	Aliphatic C9-C28	1.89	J	1	1.12	4.92	mg/kg	FE054993.D
Total AliphaticEPH	Total AliphaticEPH	14.2			2.57	7.38	mg/kg	
Total EPH	Total EPH	14.2			2.57	7.38	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
FE054993.D	1	07/23/25	07/23/25	PB168980

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.89	J	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		12.3		1.45	2.46	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.2		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		28.4		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2668-10	Acq On:	23 Jul 2025 18:24
Client Sample ID:	TP-1-EPH	Operator:	YP\AJ
Data file:	FE054993.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	385449	2.833	300	ug/ml
Aliphatic C12-C16	6.959	10.410	719774	5.12	200	ug/ml
Aliphatic C16-C21	10.411	13.488	853090	5.908	300	ug/ml
Aliphatic C21-C28	13.489	17.459	1327312	9.176	400	ug/ml
Aliphatic C28-C40	17.460	22.481	20875055	150.562	600	ug/ml
Aliphatic EPH	3.325	22.481	24160680	173.6		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4607714	28.37		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3558754	28.18		ug/ml
Aliphatic C9-C28	3.325	17.459	3285625	23.037	1200	ug/ml