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-2-EPH	SDG No.:	Q2668
Lab Sample ID:	Q2668-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.2
Sample Wt/Vol:	30.09 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 16:23	PB168980

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.04		1	1.43	2.43	mg/kg	FE054989.D
Aliphatic C9-C28	Aliphatic C9-C28	19.9		1	1.10	4.85	mg/kg	FE054989.D
Total AliphaticEPH	Total AliphaticEPH	26.0			2.53	7.28	mg/kg	
Total EPH	Total EPH	26.0			2.53	7.28	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
FE054989.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	19.9		1.10	4.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.04		1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.2		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.2		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2668-02	Acq On:	23 Jul 2025 16:23
Client Sample ID:	TP-2-EPH	Operator:	YP\AJ
Data file:	FE054989.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	4673744	34.352	300	ug/ml
Aliphatic C12-C16	6.959	10.410	14142893	100.612	200	ug/ml
Aliphatic C16-C21	10.411	13.488	12122900	83.957	300	ug/ml
Aliphatic C21-C28	13.489	17.459	3951712	27.319	400	ug/ml
Aliphatic C28-C40	17.460	22.481	10349366	74.645	600	ug/ml
Aliphatic EPH	3.325	22.481	45240615	320.886		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4412841	27.17		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3313504	26.24		ug/ml
Aliphatic C9-C28	3.325	17.459	34891249	246.24	1200	ug/ml