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-3-EPH	SDG No.:	Q2668
Lab Sample ID:	Q2668-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.07 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	07/29/25 9:38	PB168980

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	49.8		2	2.54	4.30	mg/kg	FE055059.D
Aliphatic C9-C28	Aliphatic C9-C28	4.44		1	0.98	4.31	mg/kg	FE054991.D
Total AliphaticEPH	Total AliphaticEPH	54.2			3.52	8.61	mg/kg	
Total EPH	Total EPH	54.2			3.52	8.61	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054991.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	4.44		0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	55.6	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.9		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2668-06	Acq On:	23 Jul 2025 17:24
Client Sample ID:	TP-3-EPH	Operator:	YP\AJ
Data file:	FE054991.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	373683	2.747	300	ug/ml
Aliphatic C12-C16	6.959	10.410	753123	5.358	200	ug/ml
Aliphatic C16-C21	10.411	13.488	989421	6.852	300	ug/ml
Aliphatic C21-C28	13.489	17.459	6788749	46.932	400	ug/ml
Aliphatic C28-C40	17.460	22.481	107507626	775.403	600	ug/ml
Aliphatic EPH	3.325	22.481	116412602	837.291		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4632869	28.53		ug/ml
1-chlorooctadecane (SURR)	13.521	13.521	3656123	28.95		ug/ml
Aliphatic C9-C28	3.325	17.459	8904976	61.889	1200	ug/ml