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

Report of Analysis

Client:	PSEG	Date Collected:	06/17/25
Project:	PSEG Bergen Point	Date Received:	06/17/25
Client Sample ID:	TP-10-EPH	SDG No.:	Q2347
Lab Sample ID:	Q2347-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 20:00	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.03		1	1.30	2.20	mg/kg	FE054492.D
Aliphatic C9-C28	Aliphatic C9-C28	2.81	J	1	1.00	4.41	mg/kg	FE054492.D
Total AliphaticEPH	Total AliphaticEPH	6.84			2.30	6.61	mg/kg	
Total EPH	Total EPH	6.84			2.30	6.61	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054492.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.81	J	1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.03		1.30	2.20	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.8		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2347-02	Acq On:	18 Jun 2025 20:00
Client Sample ID:	TP-10-EPH	Operator:	YP\AJ
Data file:	FE054492.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	3.072	6.717	2083182	16.631	300	ug/ml
Aliphatic C12-C16	6.718	10.164	954448	7.277	200	ug/ml
Aliphatic C16-C21	10.165	13.536	535757	4	300	ug/ml
Aliphatic C21-C28	13.537	17.204	1314402	10.344	400	ug/ml
Aliphatic C28-C40	17.205	22.063	7033179	54.842	600	ug/ml
Aliphatic EPH	3.072	22.063	11920968	93.095		ug/ml
ortho-Terphenyl (SURR)	11.823	11.823	5916561	35.81		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	4662236	38.23		ug/ml
Aliphatic C9-C28	3.072	17.204	4887789	38.252	1200	ug/ml