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

Report of Analysis

Client:	PSEG			Date Collected:	06/06/25
Project:	PSEG Blair Road Sub			Date Received:	06/06/25
Client Sample ID:	WC-3-EPH			SDG No.:	Q2266
Lab Sample ID:	Q2266-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	80.5
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
06/09/25 08:30	06/09/25 15:41	PB168341

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1	1.46	2.48	mg/kg	FG015995.D
Aliphatic C9-C28	Aliphatic C9-C28	4.86	J	1	1.13	4.96	mg/kg	FG015995.D
Total AliphaticEPH	Total AliphaticEPH	15.2			2.59	7.44	mg/kg	
Total EPH	Total EPH	15.2			2.59	7.44	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
FG015995.D	1	06/09/25	06/09/25	PB168341

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		4.86	J	1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		10.3		1.46	2.48	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.7		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.6		40 - 140	75%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2266-02	Acq On:	09 Jun 2025 15:41
Client Sample ID:	WC-3-EPH	Operator:	YP\AJ
Data file:	FG015995.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.761	190909	1.682	300	ug/ml
Aliphatic C12-C16	6.762	10.212	1006936	8.627	200	ug/ml
Aliphatic C16-C21	10.213	13.587	5094470	41.69	300	ug/ml
Aliphatic C21-C28	13.588	17.261	1031686	8.587	400	ug/ml
Aliphatic C28-C40	17.262	22.159	13779720	124.779	600	ug/ml
Aliphatic EPH	3.117	22.159	21103721	185.364		ug/ml
ortho-Terphenyl (SURR)	11.875	11.875	5605926	37.65		ug/ml
1-chlorooctadecane (SURR)	13.321	13.321	4686763	40.68		ug/ml
Aliphatic C9-C28	3.117	17.261	7324001	60.586	1200	ug/ml