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

Report of Analysis

Client:	PSEG	Date Collected:	09/25/25
Project:	PSEG Essex Street - Milburn	Date Received:	09/25/25
Client Sample ID:	SU-ESM-06	SDG No.:	Q3208
Lab Sample ID:	Q3208-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
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
09/26/25 09:35	09/29/25 17:05	PB169859

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.5		1	1.27	2.16	mg/kg	FG016686.D
Aliphatic C9-C28	Aliphatic C9-C28	6.16		1	0.98	4.32	mg/kg	FG016686.D
Total AliphaticEPH	Total AliphaticEPH	31.7			2.25	6.48	mg/kg	
Total EPH	Total EPH	31.7			2.25	6.48	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
FG016686.D	1	09/26/25	09/29/25	PB169859

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.16		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.5		1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.0		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3208-11	Acq On:	29 Sep 2025 17:05
Client Sample ID:	SU-ESM-06	Operator:	YP\AJ
Data file:	FG016686.D	Misc:	
Instrument:	FID_G	ALS Vial:	42
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.922	549473	4.757	300	ug/ml
Aliphatic C12-C16	6.923	10.380	762444	6.321	200	ug/ml
Aliphatic C16-C21	10.381	13.770	3975119	30.746	300	ug/ml
Aliphatic C21-C28	13.771	17.456	5648784	43.843	400	ug/ml
Aliphatic C28-C40	17.457	22.494	36023648	355.196	600	ug/ml
Aliphatic EPH	3.280	22.494	46959468	440.864		ug/ml
ortho-Terphenyl (SURR)	12.057	12.057	3794435	26.6		ug/ml
1-chlorooctadecane (SURR)	13.502	13.502	3163268	28.03		ug/ml
Aliphatic C9-C28	3.280	17.456	10935820	85.667	1200	ug/ml