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-01	SDG No.:	Q3208
Lab Sample ID:	Q3208-03	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
09/26/25 09:35	09/30/25 11:09	PB169859

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	67.6		5	6.35	10.8	mg/kg	FE056082.D
Aliphatic C9-C28	Aliphatic C9-C28	11.7		1	0.98	4.31	mg/kg	FE056050.D
Total AliphaticEPH	Total AliphaticEPH	79.3			7.33	15.1	mg/kg	
Total EPH	Total EPH	79.3			7.33	15.1	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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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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056050.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	11.7		0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	65.6	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3208-03	Acq On:	29 Sep 2025 17:23
Client Sample ID:	SU-ESM-01	Operator:	YP\AJ
Data file:	FE056050.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	802143	5.728	300	ug/ml
Aliphatic C12-C16	6.947	10.396	1867202	12.174	200	ug/ml
Aliphatic C16-C21	10.397	13.773	13165502	79.368	300	ug/ml
Aliphatic C21-C28	13.774	17.443	9881941	66.533	400	ug/ml
Aliphatic C28-C40	17.444	22.449	124576320	914.309	600	ug/ml
Aliphatic EPH	3.315	22.449	150293108	1080		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	6730686	35.87		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5453615	39.08		ug/ml
Aliphatic C9-C28	3.315	17.443	25716788	163.803	1200	ug/ml