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-05	SDG No.:	Q3208
Lab Sample ID:	Q3208-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	30.05 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 11:43	PB169859

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	36.2		1	1.26	2.14	mg/kg	FC069864.D
Aliphatic C9-C28	Aliphatic C9-C28	6.68		1	0.98	4.28	mg/kg	FC069864.D
Total AliphaticEPH	Total AliphaticEPH	42.9			2.23	6.42	mg/kg	
Total EPH	Total EPH	42.9			2.23	6.42	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
FC069864.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	6.68		0.98	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.2		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.1		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.8		40 - 140	60%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3208-10	Acq On:	29 Sep 2025 11:43
Client Sample ID:	SU-ESM-05	Operator:	YP/AJ
Data file:	FC069864.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.282	6.575	518182	3.881	300	ug/ml
Aliphatic C12-C16	6.576	9.977	1200344	7.661	200	ug/ml
Aliphatic C16-C21	9.978	13.343	5790998	32.253	300	ug/ml
Aliphatic C21-C28	13.344	17.007	9017843	49.838	400	ug/ml
Aliphatic C28-C40	17.008	21.960	65211224	506.782	600	ug/ml
Aliphatic EPH	3.282	21.960	81738591	600.416		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	5583537	29.81		ug/ml
1-chlorooctadecane (SURR)	13.080	13.080	4588407	29.06		ug/ml
Aliphatic C9-C28	3.282	17.007	16527367	93.633	1200	ug/ml