

Report of Analysis

Client:	PSEG	Date Collected:	01/24/25
Project:	Linden SNG Plant	Date Received:	01/24/25
Client Sample ID:	SP-COMP	SDG No.:	Q1187
Lab Sample ID:	Q1187-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/27/25 08:21	01/27/25 14:18	PB166257

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.48		1	1.93	2.14	mg/kg	FE052094.D
Aliphatic C9-C28	Aliphatic C9-C28	1.84	U	1	1.84	4.28	mg/kg	FE052094.D
Total AliphaticEPH	Total AliphaticEPH	3.77	U		3.77	6.42	mg/kg	
Total EPH	Total EPH	3.77	U		3.77	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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Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.03 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
FE052094.D	1	01/27/25	01/27/25	PB166257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.84	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.48		1.93	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.4		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1187-01	Acq On:	27 Jan 2025 14:18
Client Sample ID:	SP-COMP	Operator:	YP\AJ
Data file:	FE052094.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.581	7.134	519400	4.737	300	ug/ml
Aliphatic C12-C16	7.135	10.532	602538	4.971	200	ug/ml
Aliphatic C16-C21	10.533	13.875	685810	5.228	300	ug/ml
Aliphatic C21-C28	13.876	17.518	983232	7.445	400	ug/ml
Aliphatic C28-C40	17.519	22.535	3725361	34.722	600	ug/ml
Aliphatic EPH	3.581	22.535	6516341	57.102		ug/ml
ortho-Terphenyl (SURR)	12.200	12.200	5636699	39.44		ug/ml
1-chlorooctadecane (SURR)	13.614	13.614	4600130	40.1		ug/ml
Aliphatic C9-C28	3.581	17.518	2790980	22.381	1200	ug/ml