

Report of Analysis

Client:	PSEG	Date Collected:	01/24/25
Project:	Linden SNG Plant	Date Received:	01/24/25
Client Sample ID:	SP-COMPE-E2	SDG No.:	Q1187
Lab Sample ID:	Q1187-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/27/25 08:21	01/27/25 16:19	PB166257

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.91	U	1	1.91	2.12	mg/kg	FE052098.D
Aliphatic C9-C28	Aliphatic C9-C28	1.82	U	1	1.82	4.24	mg/kg	FE052098.D
Total AliphaticEPH	Total AliphaticEPH	3.73	U		3.73	6.36	mg/kg	
Total EPH	Total EPH	3.73	U		3.73	6.36	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
FE052098.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	1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.91	U	1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.8		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1187-02	Acq On:	27 Jan 2025 16:19
Client Sample ID:	SP-COMPE-E2	Operator:	YP\AJ
Data file:	FE052098.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.581	7.134	384209	3.504	300	ug/ml
Aliphatic C12-C16	7.135	10.532	420580	3.47	200	ug/ml
Aliphatic C16-C21	10.533	13.875	474748	3.619	300	ug/ml
Aliphatic C21-C28	13.876	17.518	726168	5.499	400	ug/ml
Aliphatic C28-C40	17.519	22.535	2319729	21.621	600	ug/ml
Aliphatic EPH	3.581	22.535	4325434	37.712		ug/ml
ortho-Terphenyl (SURR)	12.197	12.197	3828655	26.79		ug/ml
1-chlorooctadecane (SURR)	13.611	13.611	3109370	27.11		ug/ml
Aliphatic C9-C28	3.581	17.518	2005705	16.092	1200	ug/ml