

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-3-E2	SDG No.:	Q1480
Lab Sample ID:	Q1480-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/04/25 08:45	03/05/25 4:20	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	27.5		1	2.05	2.27	mg/kg FE052612.D
Aliphatic C9-C28	Aliphatic C9-C28	86.1		1	1.96	4.56	mg/kg FE052612.D
Total AliphaticEPH	Total AliphaticEPH	114			4.01	6.83	mg/kg
Total EPH	Total EPH	114			4.01	6.83	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

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-3-E2	SDG No.:	Q1480
Lab Sample ID:	Q1480-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.08 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
FE052612.D	1	03/04/25	03/05/25	PB166965

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	86.1		1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.5		2.05	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.8		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.1		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-18	Acq On:	05 Mar 2025 04:20
Client Sample ID:	TP-3-E2	Operator:	YP\AJ
Data file:	FE052612.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	129233434	828.693	300	ug/ml
Aliphatic C12-C16	6.796	10.246	41029251	269.754	200	ug/ml
Aliphatic C16-C21	10.247	13.626	3334388	22.753	300	ug/ml
Aliphatic C21-C28	13.627	17.298	2038558	14.311	400	ug/ml
Aliphatic C28-C40	17.299	22.215	46352283	363.293	600	ug/ml
Aliphatic EPH	3.152	22.215	221987914	1500		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	4732558	28.07		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	3739461	30.8		ug/ml
Aliphatic C9-C28	3.152	17.298	175635631	1140	1200	ug/ml