

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-4-E5	SDG No.:	Q1480
Lab Sample ID:	Q1480-29	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/04/25 09:30	03/04/25 19:43	PB166975

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.54		1	1.98	2.20	mg/kg	FF015584.D
Aliphatic C9-C28	Aliphatic C9-C28	2.94	J	1	1.90	4.41	mg/kg	FF015584.D
Total AliphaticEPH	Total AliphaticEPH	12.5			3.88	6.61	mg/kg	
Total EPH	Total EPH	12.5			3.88	6.61	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-4-E5	SDG No.:	Q1480
Lab Sample ID:	Q1480-29	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
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
FF015584.D	1	03/04/25	03/04/25	PB166975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.94	J	1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.54		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.6		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-29	Acq On:	04 Mar 2025 19:43
Client Sample ID:	TP-4-E5	Operator:	YP\AJ
Data file:	FF015584.D	Misc:	
Instrument:	FID_F	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.206	6.828	857318	6.818	300	ug/ml
Aliphatic C12-C16	6.829	10.265	1267774	9.897	200	ug/ml
Aliphatic C16-C21	10.266	13.634	1532939	11.09	300	ug/ml
Aliphatic C21-C28	13.635	17.299	1717064	12.184	400	ug/ml
Aliphatic C28-C40	17.300	22.196	14916601	129.753	600	ug/ml
Aliphatic EPH	3.206	22.196	20291696	169.742		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	5877504	37.6		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4614994	39		ug/ml
Aliphatic C9-C28	3.206	17.299	5375095	39.989	1200	ug/ml