

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-4-E4	SDG No.:	Q1480
Lab Sample ID:	Q1480-28	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.01	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 19:14	PB166975

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.0		1	1.99	2.21	mg/kg	FF015583.D
Aliphatic C9-C28	Aliphatic C9-C28	1.93	J	1	1.90	4.41	mg/kg	FF015583.D
Total AliphaticEPH	Total AliphaticEPH	13.9			3.89	6.62	mg/kg	
Total EPH	Total EPH	13.9			3.89	6.62	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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Sample Wt/Vol:	30.01 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
FF015583.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	1.93	J	1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.0		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.9		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-28	Acq On:	04 Mar 2025 19:14
Client Sample ID:	TP-4-E4	Operator:	YP\AJ
Data file:	FF015583.D	Misc:	
Instrument:	FID_F	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.206	6.828	878150	6.983	300	ug/ml
Aliphatic C12-C16	6.829	10.265	1147922	8.961	200	ug/ml
Aliphatic C16-C21	10.266	13.634	1416040	10.244	300	ug/ml
Aliphatic C21-C28	13.635	17.299	1543507	10.953	400	ug/ml
Aliphatic C28-C40	17.300	22.196	18681869	162.506	600	ug/ml
Aliphatic EPH	3.206	22.196	23667488	199.648		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	5592814	35.78		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4360807	36.85		ug/ml
Aliphatic C9-C28	3.206	17.299	4985619	37.141	1200	ug/ml