

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-1-E4	SDG No.:	Q1480
Lab Sample ID:	Q1480-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/04/25 08:45	03/05/25 15:25	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	88.4		5	10.0	11.2	mg/kg FE052633.D
Aliphatic C9-C28	Aliphatic C9-C28	233		5	9.60	22.3	mg/kg FE052633.D
Total AliphaticEPH	Total AliphaticEPH	321			19.6	33.5	mg/kg
Total EPH	Total EPH	321			19.6	33.5	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:	89.4
Sample Wt/Vol:	30.06 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
FE052593.D	1	03/04/25	03/04/25	PB166965

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	218	E	1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	90.6	E	2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.9		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-04	Acq On:	04 Mar 2025 17:49
Client Sample ID:	TP-1-E4	Operator:	YP\AJ
Data file:	FE052593.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	12023707	77.101	300	ug/ml
Aliphatic C12-C16	6.796	10.246	52173209	343.023	200	ug/ml
Aliphatic C16-C21	10.247	13.626	173127375	1180	300	ug/ml
Aliphatic C21-C28	13.627	17.298	188729784	1320	400	ug/ml
Aliphatic C28-C40	17.299	22.215	155304729	1220	600	ug/ml
Aliphatic EPH	3.152	22.215	581358804	4140		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	5063127	30.03		ug/ml
1-chlorooctadecane (SURR)	13.361	13.361	7642717	62.94		ug/ml
Aliphatic C9-C28	3.152	17.298	426054075	2930	1200	ug/ml