

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-1	SDG No.:	Q1480
Lab Sample ID:	Q1480-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.02	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 11:23	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	71.1		5	10.2	11.3	mg/kg FE052626.D
Aliphatic C9-C28	Aliphatic C9-C28	150		5	9.74	22.6	mg/kg FE052626.D
Total AliphaticEPH	Total AliphaticEPH	221			19.9	33.9	mg/kg
Total EPH	Total EPH	221			19.9	33.9	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:	88.3
Sample Wt/Vol:	30.02 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
FE052590.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	139	E	1.95	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	64.4	E	2.04	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	55.1		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-01	Acq On:	04 Mar 2025 16:18
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE052590.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	2271721	14.567	300	ug/ml
Aliphatic C12-C16	6.796	10.246	14701953	96.661	200	ug/ml
Aliphatic C16-C21	10.247	13.626	113163327	772.192	300	ug/ml
Aliphatic C21-C28	13.627	17.298	136291990	956.758	400	ug/ml
Aliphatic C28-C40	17.299	22.215	108950440	853.916	600	ug/ml
Aliphatic EPH	3.152	22.215	375379431	2690		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	5050359	29.96		ug/ml
1-chlorooctadecane (SURR)	13.358	13.358	6694797	55.13		ug/ml
Aliphatic C9-C28	3.152	17.298	266428991	1840	1200	ug/ml