

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-3-E6	SDG No.:	Q1480
Lab Sample ID:	Q1480-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
Sample Wt/Vol:	30.08	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 17:47	PB166975

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	38.2		1	2.04	2.27	mg/kg FF015580.D
Aliphatic C9-C28	Aliphatic C9-C28	99.9		2	3.91	9.08	mg/kg FF015593.D
Total AliphaticEPH	Total AliphaticEPH	138			5.95	11.3	mg/kg
Total EPH	Total EPH	138			5.95	11.3	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:	87.9
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
FF015580.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	94.9	E	1.95	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.2		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.8		40 - 140	76%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-22	Acq On:	04 Mar 2025 17:47
Client Sample ID:	TP-3-E6	Operator:	YP\AJ
Data file:	FF015580.D	Misc:	
Instrument:	FID_F	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.206	6.828	107845626	857.612	300	ug/ml
Aliphatic C12-C16	6.829	10.265	34958268	272.905	200	ug/ml
Aliphatic C16-C21	10.266	13.634	4026842	29.132	300	ug/ml
Aliphatic C21-C28	13.635	17.299	13461551	95.524	400	ug/ml
Aliphatic C28-C40	17.300	22.196	58053502	504.983	600	ug/ml
Aliphatic EPH	3.206	22.196	218345789	1760		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	5910645	37.81		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	4628552	39.12		ug/ml
Aliphatic C9-C28	3.206	17.299	160292287	1260	1200	ug/ml