

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-2-E7	SDG No.:	Q1480
Lab Sample ID:	Q1480-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
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 08:45	03/05/25 8:22	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	74.3		10	20.2	22.4	mg/kg FE052620.D
Aliphatic C9-C28	Aliphatic C9-C28	9.45		1	1.93	4.49	mg/kg FE052607.D
Total AliphaticEPH	Total AliphaticEPH	83.7			22.1	26.9	mg/kg
Total EPH	Total EPH	83.7			22.1	26.9	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052607.D	1	03/04/25	03/05/25	PB166965

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.45		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	75.3	E	2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.6		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.0		40 - 140	44%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-15	Acq On:	05 Mar 2025 01:50
Client Sample ID:	TP-2-E7	Operator:	YP\AJ
Data file:	FE052607.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	724847	4.648	300	ug/ml
Aliphatic C12-C16	6.796	10.246	1335420	8.78	200	ug/ml
Aliphatic C16-C21	10.247	13.626	6431482	43.886	300	ug/ml
Aliphatic C21-C28	13.627	17.298	10484985	73.604	400	ug/ml
Aliphatic C28-C40	17.299	22.215	128346643	1010	600	ug/ml
Aliphatic EPH	3.152	22.215	147323377	1140		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	3703875	21.97		ug/ml
1-chlorooctadecane (SURR)	13.364	13.364	3111154	25.62		ug/ml
Aliphatic C9-C28	3.152	17.298	18976734	130.918	1200	ug/ml