

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-1-E7	SDG No.:	Q1480
Lab Sample ID:	Q1480-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.8
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/04/25 08:45	03/04/25 19:19	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	42.4		1	2.09	2.33	mg/kg FE052596.D
Aliphatic C9-C28	Aliphatic C9-C28	33.7		1	2.00	4.65	mg/kg FE052596.D
Total AliphaticEPH	Total AliphaticEPH	76.1			4.09	6.98	mg/kg
Total EPH	Total EPH	76.1			4.09	6.98	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:	30.05 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
FE052596.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	33.7		2.00	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.4		2.09	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-07	Acq On:	04 Mar 2025 19:19
Client Sample ID:	TP-1-E7	Operator:	YP\AJ
Data file:	FE052596.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	1592097	10.209	300	ug/ml
Aliphatic C12-C16	6.796	10.246	5228099	34.373	200	ug/ml
Aliphatic C16-C21	10.247	13.626	23192561	158.259	300	ug/ml
Aliphatic C21-C28	13.627	17.298	32864711	230.708	400	ug/ml
Aliphatic C28-C40	17.299	22.215	69783429	546.939	600	ug/ml
Aliphatic EPH	3.152	22.215	132660897	980.488		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	4811801	28.54		ug/ml
1-chlorooctadecane (SURR)	13.356	13.356	4548185	37.46		ug/ml
Aliphatic C9-C28	3.152	17.298	62877468	433.549	1200	ug/ml