

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-4	SDG No.:	Q1480
Lab Sample ID:	Q1480-25	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/04/25 09:30	03/04/25 18:06	PB166975

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.42		1	2.00	2.23	mg/kg	FC068355.D
Aliphatic C9-C28	Aliphatic C9-C28	2.46	J	1	1.91	4.44	mg/kg	FC068355.D
Total AliphaticEPH	Total AliphaticEPH	5.88	J		3.91	6.67	mg/kg	
Total EPH	Total EPH	5.88	J		3.91	6.67	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
FC068355.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	2.46	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.42		2.00	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.5		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.9		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-25	Acq On:	04 Mar 2025 18:06
Client Sample ID:	TP-4	Operator:	YP/AJ
Data file:	FC068355.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.366	2470227	17.515	300	ug/ml
Aliphatic C12-C16	6.367	9.750	1116580	8.171	200	ug/ml
Aliphatic C16-C21	9.751	13.103	973654	7.397	300	ug/ml
Aliphatic C21-C28	13.104	16.756	1421701	11.588	400	ug/ml
Aliphatic C28-C40	16.757	21.558	4743842	46.125	600	ug/ml
Aliphatic EPH	3.101	21.558	10726004	90.796		ug/ml
ortho-Terphenyl (SURR)	11.392	11.392	5358234	34.92		ug/ml
1-chlorooctadecane (SURR)	12.834	12.834	3876733	34.47		ug/ml
Aliphatic C9-C28	3.101	16.756	5982162	44.671	1200	ug/ml