

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-3-E4	SDG No.:	Q1480
Lab Sample ID:	Q1480-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.06	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 5:21	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	27.2		1	2.10	2.33	mg/kg FE052614.D
Aliphatic C9-C28	Aliphatic C9-C28	70.9		1	2.01	4.68	mg/kg FE052614.D
Total AliphaticEPH	Total AliphaticEPH	98.1			4.11	7.01	mg/kg
Total EPH	Total EPH	98.1			4.11	7.01	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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Lab Sample ID:	Q1480-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052614.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	70.9		2.01	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.2		2.10	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-20	Acq On:	05 Mar 2025 05:21
Client Sample ID:	TP-3-E4	Operator:	YP\AJ
Data file:	FE052614.D	Misc:	
Instrument:	FID_E	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	105236763	674.818	300	ug/ml
Aliphatic C12-C16	6.796	10.246	30950758	203.492	200	ug/ml
Aliphatic C16-C21	10.247	13.626	2762016	18.847	300	ug/ml
Aliphatic C21-C28	13.627	17.298	2000030	14.04	400	ug/ml
Aliphatic C28-C40	17.299	22.215	44566105	349.294	600	ug/ml
Aliphatic EPH	3.152	22.215	185515672	1260		ug/ml
ortho-Terphenyl (SURR)	11.920	11.920	4976114	29.52		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	3880086	31.95		ug/ml
Aliphatic C9-C28	3.152	17.298	140949567	911.197	1200	ug/ml