

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-2	SDG No.:	Q1480
Lab Sample ID:	Q1480-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.1
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 08:45	03/04/25 20:49	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	73.4		10	21.1	23.4	mg/kg FE052599.D
Aliphatic C9-C28	Aliphatic C9-C28	19.1		1	2.02	4.68	mg/kg FE052597.D
Total AliphaticEPH	Total AliphaticEPH	92.5			23.1	28.1	mg/kg
Total EPH	Total EPH	92.5			23.1	28.1	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052597.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	19.1		2.02	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	69.3	E	2.11	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.1		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-09	Acq On:	04 Mar 2025 19:49
Client Sample ID:	TP-2	Operator:	YP\AJ
Data file:	FE052597.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	1388121	8.901	300	ug/ml
Aliphatic C12-C16	6.796	10.246	3708196	24.38	200	ug/ml
Aliphatic C16-C21	10.247	13.626	12179527	83.109	300	ug/ml
Aliphatic C21-C28	13.627	17.298	18189846	127.691	400	ug/ml
Aliphatic C28-C40	17.299	22.215	113154603	886.867	600	ug/ml
Aliphatic EPH	3.152	22.215	148620293	1130		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	4225320	25.06		ug/ml
1-chlorooctadecane (SURR)	13.356	13.356	3765927	31.01		ug/ml
Aliphatic C9-C28	3.152	17.298	35465690	244.081	1200	ug/ml