

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-3-E3	SDG No.:	Q1480
Lab Sample ID:	Q1480-19	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
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 4:51	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	25.9		1	2.04	2.27	mg/kg FE052613.D
Aliphatic C9-C28	Aliphatic C9-C28	126		2	3.91	9.08	mg/kg FE052628.D
Total AliphaticEPH	Total AliphaticEPH	152			5.95	11.3	mg/kg
Total EPH	Total EPH	152			5.95	11.3	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
FE052613.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	127	E	1.95	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.9		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-19	Acq On:	05 Mar 2025 04:51
Client Sample ID:	TP-3-E3	Operator:	YP\AJ
Data file:	FE052613.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	193397887	1240	300	ug/ml
Aliphatic C12-C16	6.796	10.246	58562426	385.03	200	ug/ml
Aliphatic C16-C21	10.247	13.626	4673358	31.89	300	ug/ml
Aliphatic C21-C28	13.627	17.298	2403458	16.872	400	ug/ml
Aliphatic C28-C40	17.299	22.215	43683485	342.376	600	ug/ml
Aliphatic EPH	3.152	22.215	302720614	2020		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	4788831	28.41		ug/ml
1-chlorooctadecane (SURR)	13.363	13.363	3692714	30.41		ug/ml
Aliphatic C9-C28	3.152	17.298	259037129	1670	1200	ug/ml