

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-3-E7	SDG No.:	Q1480
Lab Sample ID:	Q1480-23	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/04/25 09:30	03/05/25 11:23	PB166975

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	66.3		2	4.11	4.56	mg/kg FF015594.D
Aliphatic C9-C28	Aliphatic C9-C28	101		2	3.92	9.12	mg/kg FF015594.D
Total AliphaticEPH	Total AliphaticEPH	168			8.03	13.7	mg/kg
Total EPH	Total EPH	168			8.03	13.7	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015581.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	97.9	E	1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	63.5	E	2.05	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.1		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-23	Acq On:	04 Mar 2025 18:16
Client Sample ID:	TP-3-E7	Operator:	YP\AJ
Data file:	FF015581.D	Misc:	
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.206	6.828	108756686	864.856	300	ug/ml
Aliphatic C12-C16	6.829	10.265	32006362	249.861	200	ug/ml
Aliphatic C16-C21	10.266	13.634	3612684	26.136	300	ug/ml
Aliphatic C21-C28	13.635	17.299	20624483	146.353	400	ug/ml
Aliphatic C28-C40	17.300	22.196	96092055	835.865	600	ug/ml
Aliphatic EPH	3.206	22.196	261092270	2120		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	5647184	36.13		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4385679	37.06		ug/ml
Aliphatic C9-C28	3.206	17.299	165000215	1290	1200	ug/ml