

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-3	SDG No.:	Q1480
Lab Sample ID:	Q1480-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
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 11:53	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	46.3		2	3.99	4.43	mg/kg FE052627.D
Aliphatic C9-C28	Aliphatic C9-C28	50.4		1	1.91	4.44	mg/kg FE052608.D
Total AliphaticEPH	Total AliphaticEPH	96.7			5.89	8.87	mg/kg
Total EPH	Total EPH	96.7			5.89	8.87	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
FE052608.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	50.4		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	46.4	E	1.99	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.3		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-17	Acq On:	05 Mar 2025 02:20
Client Sample ID:	TP-3	Operator:	YP\AJ
Data file:	FE052608.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	78195199	501.417	300	ug/ml
Aliphatic C12-C16	6.796	10.246	22397046	147.254	200	ug/ml
Aliphatic C16-C21	10.247	13.626	2539256	17.327	300	ug/ml
Aliphatic C21-C28	13.627	17.298	2325398	16.324	400	ug/ml
Aliphatic C28-C40	17.299	22.215	80136139	628.08	600	ug/ml
Aliphatic EPH	3.152	22.215	185593038	1310		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	4606332	27.32		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	3842024	31.64		ug/ml
Aliphatic C9-C28	3.152	17.298	105456899	682.322	1200	ug/ml