284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG		Date Collected:	03/03/25	
Project:	Westville Laydown		Date Received:	03/03/25	
Client Sample ID:	TP-1-E3		SDG No.:	Q1480	
Lab Sample ID:	Q1480-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.5	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/04/25 08:45	03/05/25 14:55	PB166965

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	63.7		2	4.52	5.02	mg/kg	FE052632.D
Aliphatic C9-C28	Aliphatic C9-C28	89.8		1	2.15	5.01	mg/kg	FE052592.D
Total AliphaticEPH	Total AliphaticEPH	154			6.67	10.0	mg/kg	
Total EPH	Total EPH	154			6.67	10.0	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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Total EPH	Total EPH	154			6.67	10.0	mg/kg	

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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052592.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		89.8		2.15	5.01	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		60.4	E	2.26	2.51	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		49.6		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.1		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-03	Acq On:	04 Mar 2025 17:18
Client Sample ID:	TP-1-E3	Operator:	YP\AJ
Data file:	FE052592.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	2008599	12.88	300	ug/ml
Aliphatic C12-C16	6.796	10.246	12095863	79.527	200	ug/ml
Aliphatic C16-C21	10.247	13.626	57637870	393.303	300	ug/ml
Aliphatic C21-C28	13.627	17.298	83777855	588.113	400	ug/ml
Aliphatic C28-C40	17.299	22.215	92124916	722.044	600	ug/ml
Aliphatic EPH	3.152	22.215	247645103	1800		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	5247982	31.13		ug/ml
1-chlorooctadecane (SURR)	13.356	13.356	6025138	49.62		ug/ml
Aliphatic C9-C28	3.152	17.298	155520187	1070	1200	ug/ml