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-2-E4	SDG No.:	Q1480
Lab Sample ID:	Q1480-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.03 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 6:51	PB166965

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	91.1		10	20.6	22.9	mg/kg	FE052617.D
Aliphatic C9-C28	Aliphatic C9-C28	32.4		1	1.97	4.56	mg/kg	FE052604.D
Total AliphaticEPH	Total AliphaticEPH	124			22.6	27.5	mg/kg	
Total EPH	Total EPH	124			22.6	27.5	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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Lab Sample ID:	Q1480-12		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	87.4	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052604.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		32.4		1.97	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		77.5	E	2.06	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		30.2		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		21.9		40 - 140	44%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-12	Acq On:	05 Mar 2025 00:20
Client Sample ID:	TP-2-E4	Operator:	YP\AJ
Data file:	FE052604.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	911913	5.848	300	ug/ml
Aliphatic C12-C16	6.796	10.246	3964206	26.063	200	ug/ml
Aliphatic C16-C21	10.247	13.626	23349922	159.333	300	ug/ml
Aliphatic C21-C28	13.627	17.298	33398998	234.458	400	ug/ml
Aliphatic C28-C40	17.299	22.215	129728706	1020	600	ug/ml
Aliphatic EPH	3.152	22.215	191353745	1440		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	3694137	21.91		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	3663154	30.17		ug/ml
Aliphatic C9-C28	3.152	17.298	61625039	425.702	1200	ug/ml