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-E2	SDG No.:	Q1480
Lab Sample ID:	Q1480-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
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 12:54	PB166965

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	42.4		2	3.97	4.41	mg/kg	FE052629.D
Aliphatic C9-C28	Aliphatic C9-C28	71.8		1	1.90	4.41	mg/kg	FE052591.D
Total AliphaticEPH	Total AliphaticEPH	114			5.87	8.81	mg/kg	
Total EPH	Total EPH	114			5.87	8.81	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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Analytical Method:	NJEPH		% Solid:	90.5	
Sample Wt/Vol:	30.08	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
FE052591.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		71.8		1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		45.3	E	1.98	2.20	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		45.3		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		28.3		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-02	Acq On:	04 Mar 2025 16:49
Client Sample ID:	TP-1-E2	Operator:	YP\AJ
Data file:	FE052591.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	1675664	10.745	300	ug/ml
Aliphatic C12-C16	6.796	10.246	9873088	64.912	200	ug/ml
Aliphatic C16-C21	10.247	13.626	51198697	349.364	300	ug/ml
Aliphatic C21-C28	13.627	17.298	78499966	551.063	400	ug/ml
Aliphatic C28-C40	17.299	22.215	78721847	616.995	600	ug/ml
Aliphatic EPH	3.152	22.215	219969262	1590		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	4762622	28.25		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	5501144	45.3		ug/ml
Aliphatic C9-C28	3.152	17.298	141247415	976.084	1200	ug/ml