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-E5	SDG No.:	Q1480
Lab Sample ID:	Q1480-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.06 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 7:21	PB166965

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	84.3		10	20.4	22.7	mg/kg	FE052618.D
Aliphatic C9-C28	Aliphatic C9-C28	16.1		1	1.95	4.53	mg/kg	FE052605.D
Total AliphaticEPH	Total AliphaticEPH	100			22.3	27.2	mg/kg	
Total EPH	Total EPH	100			22.3	27.2	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:	88.1	
Sample Wt/Vol:	30.06	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
FE052605.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	16.1		1.95	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	81.5	E	2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.7		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.8		40 - 140	42%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-13	Acq On:	05 Mar 2025 00:50
Client Sample ID:	TP-2-E5	Operator:	YP\AJ
Data file:	FE052605.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	604761	3.878	300	ug/ml
Aliphatic C12-C16	6.796	10.246	2578003	16.95	200	ug/ml
Aliphatic C16-C21	10.247	13.626	12831255	87.557	300	ug/ml
Aliphatic C21-C28	13.627	17.298	15532056	109.034	400	ug/ml
Aliphatic C28-C40	17.299	22.215	137673181	1080	600	ug/ml
Aliphatic EPH	3.152	22.215	169219256	1300		ug/ml
ortho-Terphenyl (SURR)	11.915	11.915	3507957	20.81		ug/ml
1-chlorooctadecane (SURR)	13.361	13.361	3121634	25.71		ug/ml
Aliphatic C9-C28	3.152	17.298	31546075	217.419	1200	ug/ml