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

Report of Analysis

Client:	PSEG	Date Collected:	03/25/25
Project:	Paterson Laydown	Date Received:	03/25/25
Client Sample ID:	PAT-1-032525	SDG No.:	Q1642
Lab Sample ID:	Q1642-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/26/25 09:45	03/27/25 2:04	PB167323

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	23.7		1	1.35	2.29	mg/kg	FE053000.D
Aliphatic C9-C28	Aliphatic C9-C28	55.9		1	1.04	4.59	mg/kg	FE053000.D
Total AliphaticEPH	Total AliphaticEPH	79.6			2.39	6.88	mg/kg	
Total EPH	Total EPH	79.6			2.39	6.88	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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Sample Wt/Vol:	30.02	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
FE053000.D	1	03/26/25	03/27/25	PB167323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	55.9		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.7		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.9		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.8		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1642-01	Acq On:	27 Mar 2025 02:04
Client Sample ID:	PAT-1-032525	Operator:	YP\AJ
Data file:	FE053000.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	7594895	48.701	300	ug/ml
Aliphatic C12-C16	6.792	10.245	42212853	277.536	200	ug/ml
Aliphatic C16-C21	10.246	13.624	41596303	283.841	300	ug/ml
Aliphatic C21-C28	13.625	17.297	17231510	120.964	400	ug/ml
Aliphatic C28-C40	17.298	22.217	39581081	310.223	600	ug/ml
Aliphatic EPH	3.147	22.217	148216642	1040		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	4691748	27.83		ug/ml
1-chlorooctadecane (SURR)	13.343	13.343	3632227	29.91		ug/ml
Aliphatic C9-C28	3.147	17.297	108635561	731.042	1200	ug/ml