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

Report of Analysis

Client:	PSEG		Date Collected:	06/23/25	
Project:	Lawrenceville HQ		Date Received:	06/23/25	
Client Sample ID:	ARS 20-0006		SDG No.:	Q2403	
Lab Sample ID:	Q2403-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.2	
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
06/25/25 09:15	06/25/25 17:50	PB168609

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.51		1	1.24	2.10	mg/kg	FE054580.D
Aliphatic C9-C28	Aliphatic C9-C28	7.62		1	0.95	4.20	mg/kg	FE054580.D
Total AliphaticEPH	Total AliphaticEPH	16.1			2.19	6.30	mg/kg	
Total EPH	Total EPH	16.1			2.19	6.30	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:	95.2	
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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054580.D	1	06/25/25	06/25/25	PB168609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.62		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.51		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.1		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.2		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2403-07	Acq On:	25 Jun 2025 17:50
Client Sample ID:	ARS 20-006	Operator:	YP\AJ
Data file:	FE054580.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	1905100	15.21	300	ug/ml
Aliphatic C12-C16	6.717	10.163	1709071	13.031	200	ug/ml
Aliphatic C16-C21	10.164	13.535	4550445	33.977	300	ug/ml
Aliphatic C21-C28	13.536	17.204	5974519	47.018	400	ug/ml
Aliphatic C28-C40	17.205	22.072	15631204	121.885	600	ug/ml
Aliphatic EPH	3.071	22.072	29770339	231.121		ug/ml
ortho-Terphenyl (SURR)	11.823	11.823	4493939	27.2		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	3429460	28.12		ug/ml
Aliphatic C9-C28	3.071	17.204	14139135	109.236	1200	ug/ml