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

Report of Analysis

Client:	PSEG		Date Collected:	08/13/25	
Project:	Irvington Sub HQ		Date Received:	08/13/25	
Client Sample ID:	#454		SDG No.:	Q2855	
Lab Sample ID:	Q2855-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	5.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/15/25 12:19	PB169246

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20800		200	1410	2390	mg/kg	FE055324.D
Aliphatic C9-C28	Aliphatic C9-C28	38700		200	1090	4780	mg/kg	FE055324.D
Total AliphaticEPH	Total AliphaticEPH	59500			2500	7170	mg/kg	
Total EPH	Total EPH	59500			2500	7170	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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Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055313.D	10	08/14/25	08/14/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	41700	E	54.4	239	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19900	E	70.5	119	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	89.9		40 - 140	1797%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.0		40 - 140	760%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2855-01	Acq On:	14 Aug 2025 22:05
Client Sample ID:	#454	Operator:	YP\AJ
Data file:	FE055313.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	66868590	572.59	300	ug/ml
Aliphatic C12-C16	6.960	10.413	100893947	805.688	200	ug/ml
Aliphatic C16-C21	10.414	13.792	271443619	2150	300	ug/ml
Aliphatic C21-C28	13.793	17.465	835141127	6930	400	ug/ml
Aliphatic C28-C40	17.466	22.492	569221820	4990	600	ug/ml
Aliphatic EPH	3.325	22.492	1843569103	15400		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	5423102	37.98		ug/ml
1-chlorooctadecane (SURR)	13.531	13.531	9662114	89.86		ug/ml
Aliphatic C9-C28	3.325	17.465	1274347283	10500	1200	ug/ml