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

Report of Analysis

Client:	PSEG	Date Collected:	08/15/25
Project:	Kingsland Switching Station	Date Received:	08/15/25
Client Sample ID:	RBR2520553-E2	SDG No.:	Q2883
Lab Sample ID:	Q2883-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/18/25 08:35	08/18/25 16:04	PB169284

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	61.8		2	2.63	4.45	mg/kg	FE055359.D
Aliphatic C9-C28	Aliphatic C9-C28	31.1		1	1.01	4.44	mg/kg	FE055357.D
Total AliphaticEPH	Total AliphaticEPH	92.9			3.64	8.89	mg/kg	
Total EPH	Total EPH	92.9			3.64	8.89	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

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

Report of Analysis

Client:	PSEG	Date Collected:	08/15/25
Project:	Kingsland Switching Station	Date Received:	08/15/25
Client Sample ID:	RBR2520553-E2	SDG No.:	Q2883
Lab Sample ID:	Q2883-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
Sample Wt/Vol:	30.07 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
FE055357.D	1	08/18/25	08/18/25	PB169284

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		31.1		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		62.1	E	1.31	2.23	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		29.5		40 - 140	59%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2883-02	Acq On:	18 Aug 2025 14:22
Client Sample ID:	RBR2520553-E2	Operator:	YP\AJ
Data file:	FE055357.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	3.320	6.953	799814	6.849	300	ug/ml
Aliphatic C12-C16	6.954	10.407	3341595	26.684	200	ug/ml
Aliphatic C16-C21	10.408	13.786	21405136	169.338	300	ug/ml
Aliphatic C21-C28	13.787	17.457	25910958	215.018	400	ug/ml
Aliphatic C28-C40	17.458	22.478	95320802	836.241	600	ug/ml
Aliphatic EPH	3.320	22.478	146778305	1250		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	4217719	29.54		ug/ml
1-chlorooctadecane (SURR)	13.521	13.521	3648941	33.94		ug/ml
Aliphatic C9-C28	3.320	17.457	51457503	417.889	1200	ug/ml