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

Report of Analysis

Client:	PSEG	Date Collected:	07/10/25
Project:	Burlington Switching Station	Date Received:	07/10/25
Client Sample ID:	ARS20-0030-E2	SDG No.:	Q2564
Lab Sample ID:	Q2564-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/11/25 09:20	07/11/25 17:20	PB168812

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.1		1	1.26	2.13	mg/kg	FE054815.D
Aliphatic C9-C28	Aliphatic C9-C28	34.8		1	0.97	4.27	mg/kg	FE054815.D
Total AliphaticEPH	Total AliphaticEPH	52.9			2.23	6.40	mg/kg	
Total EPH	Total EPH	52.9			2.23	6.40	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:	07/10/25
Project:	Burlington Switching Station	Date Received:	07/10/25
Client Sample ID:	ARS20-0030-E2	SDG No.:	Q2564
Lab Sample ID:	Q2564-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.04 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
FE054815.D	1	07/11/25	07/11/25	PB168812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	34.8		0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.1		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.3		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.1		40 - 140	50%	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:	Q2564-02	Acq On:	11 Jul 2025 17:20
Client Sample ID:	ARS20-0030-E2	Operator:	YP\AJ
Data file:	FE054815.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	351598	2.584	300	ug/ml
Aliphatic C12-C16	6.955	10.407	6058013	43.097	200	ug/ml
Aliphatic C16-C21	10.408	13.785	48812077	338.049	300	ug/ml
Aliphatic C21-C28	13.786	17.455	15451619	106.819	400	ug/ml
Aliphatic C28-C40	17.456	22.481	35411830	255.409	600	ug/ml
Aliphatic EPH	3.321	22.481	106085137	745.958		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	4082559	25.14		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	3063361	24.26		ug/ml
Aliphatic C9-C28	3.321	17.455	70673307	490.549	1200	ug/ml