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

Report of Analysis

Client:	PSEG			Date Collected:	04/17/25
Project:	PL-714 Watchung			Date Received:	04/18/25
Client Sample ID:	PL-714-32			SDG No.:	Q1842
Lab Sample ID:	Q1842-22			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	79.7
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 08:25	04/22/25 14:30	PB167686

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.92		1	1.48	2.50	mg/kg	FC068677.D
Aliphatic C9-C28	Aliphatic C9-C28	3.90	J	1	1.14	5.00	mg/kg	FC068677.D
Total AliphaticEPH	Total AliphaticEPH	10.8			2.62	7.50	mg/kg	
Total EPH	Total EPH	10.8			2.62	7.50	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:	04/17/25	
Project:	PL-714 Watchung		Date Received:	04/18/25	
Client Sample ID:	PL-714-32		SDG No.:	Q1842	
Lab Sample ID:	Q1842-22		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.7	
Sample Wt/Vol:	30.06	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
FC068677.D	1	04/22/25	04/22/25	PB167686

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.90	J	1.14	5.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.92		1.48	2.50	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.1		40 - 140	76%	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:	Q1842-22	Acq On:	22 Apr 2025 14:30
Client Sample ID:	PL-714-32	Operator:	YP/AJ
Data file:	FC068677.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.650	347307	3.299	300	ug/ml
Aliphatic C12-C16	6.651	10.053	1081314	10.568	200	ug/ml
Aliphatic C16-C21	10.054	13.423	1426251	14.433	300	ug/ml
Aliphatic C21-C28	13.424	17.089	1736512	18.437	400	ug/ml
Aliphatic C28-C40	17.090	22.104	7454340	82.934	600	ug/ml
Aliphatic EPH	3.346	22.104	12045724	129.671		ug/ml
ortho-Terphenyl (SURR)	11.724	11.724	4854697	38.12		ug/ml
1-chlorooctadecane (SURR)	13.158	13.158	3762053	40.5		ug/ml
Aliphatic C9-C28	3.346	17.089	4591384	46.737	1200	ug/ml