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-714-38			SDG No.:	Q1842
Lab Sample ID:	Q1842-34			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	81.1
Sample Wt/Vol:	30.02	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 18:16	PB167686

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.56		1	1.45	2.46	mg/kg	FE053473.D
Aliphatic C9-C28	Aliphatic C9-C28	3.04	J	1	1.12	4.92	mg/kg	FE053473.D
Total AliphaticEPH	Total AliphaticEPH	11.6			2.57	7.38	mg/kg	
Total EPH	Total EPH	11.6			2.57	7.38	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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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053473.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		3.04	J	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.56		1.45	2.46	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		41.7		40 - 140	83%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1842-34	Acq On:	22 Apr 2025 18:16
Client Sample ID:	PL-714-38	Operator:	YP\AJ
Data file:	FE053473.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	328490	2.371	300	ug/ml
Aliphatic C12-C16	6.765	10.214	1582257	11.158	200	ug/ml
Aliphatic C16-C21	10.215	13.590	741622	5.102	300	ug/ml
Aliphatic C21-C28	13.591	17.259	2610031	18.358	400	ug/ml
Aliphatic C28-C40	17.260	22.156	13445458	104.189	600	ug/ml
Aliphatic EPH	3.123	22.156	18707858	141.177		ug/ml
ortho-Terphenyl (SURR)	11.877	11.877	7513687	41.66		ug/ml
1-chlorooctadecane (SURR)	13.320	13.320	5749984	42.54		ug/ml
Aliphatic C9-C28	3.123	17.259	5262400	36.989	1200	ug/ml