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-714-33		SDG No.:	Q1842	
Lab Sample ID:	Q1842-23		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	77.5	
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 16:59	PB167686

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.38		1	1.52	2.58	mg/kg	FC068681.D
Aliphatic C9-C28	Aliphatic C9-C28	6.17		1	1.17	5.16	mg/kg	FC068681.D
Total AliphaticEPH	Total AliphaticEPH	13.6			2.69	7.74	mg/kg	
Total EPH	Total EPH	13.6			2.69	7.74	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
FC068681.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	6.17		1.17	5.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.38		1.52	2.58	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.1		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.7		40 - 140	79%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1842-23	Acq On:	22 Apr 2025 16:59
Client Sample ID:	PL-714-33	Operator:	YP/AJ
Data file:	FC068681.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.650	316376	3.005	300	ug/ml
Aliphatic C12-C16	6.651	10.053	1128487	11.029	200	ug/ml
Aliphatic C16-C21	10.054	13.423	2587879	26.189	300	ug/ml
Aliphatic C21-C28	13.424	17.089	2979741	31.637	400	ug/ml
Aliphatic C28-C40	17.090	22.104	7728705	85.986	600	ug/ml
Aliphatic EPH	3.346	22.104	14741188	157.846		ug/ml
ortho-Terphenyl (SURR)	11.724	11.724	5050705	39.66		ug/ml
1-chlorooctadecane (SURR)	13.157	13.157	3910292	42.09		ug/ml
Aliphatic C9-C28	3.346	17.089	7012483	71.86	1200	ug/ml