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-714-22			SDG No.:	Q1842
Lab Sample ID:	Q1842-03			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	76.1
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
04/21/25 08:20	04/21/25 18:30	PB167658

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.53		1	1.55	2.62	mg/kg	FC068663.D
Aliphatic C9-C28	Aliphatic C9-C28	4.08	J	1	1.20	5.25	mg/kg	FC068663.D
Total AliphaticEPH	Total AliphaticEPH	13.6			2.75	7.87	mg/kg	
Total EPH	Total EPH	13.6			2.75	7.87	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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Lab Sample ID:	Q1842-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	76.1	
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
FC068663.D	1	04/21/25	04/21/25	PB167658

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		4.08	J	1.20	5.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		9.53		1.55	2.62	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.1		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1842-03	Acq On:	21 Apr 2025 18:30
Client Sample ID:	PL-714-22	Operator:	YP/AJ
Data file:	FC068663.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	6.647	425310	4.04	300	ug/ml
Aliphatic C12-C16	6.648	10.048	508558	4.97	200	ug/ml
Aliphatic C16-C21	10.049	13.416	1694207	17.145	300	ug/ml
Aliphatic C21-C28	13.417	17.083	1925584	20.445	400	ug/ml
Aliphatic C28-C40	17.084	22.092	9794608	108.971	600	ug/ml
Aliphatic EPH	3.346	22.092	14348267	155.57		ug/ml
ortho-Terphenyl (SURR)	11.719	11.719	4721618	37.08		ug/ml
1-chlorooctadecane (SURR)	13.152	13.152	3755532	40.43		ug/ml
Aliphatic C9-C28	3.346	17.083	4553659	46.6	1200	ug/ml