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-714-30			SDG No.:	Q1842
Lab Sample ID:	Q1842-17			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	78.6
Sample Wt/Vol:	30.07	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 15:45	PB167686

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.42		1	1.50	2.54	mg/kg	FE053468.D
Aliphatic C9-C28	Aliphatic C9-C28	2.61	J	1	1.16	5.08	mg/kg	FE053468.D
Total AliphaticEPH	Total AliphaticEPH	6.03	J		2.66	7.62	mg/kg	
Total EPH	Total EPH	6.03	J		2.66	7.62	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
FE053468.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		2.61	J	1.16	5.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.42		1.50	2.54	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.2		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		39.9		40 - 140	80%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1842-17	Acq On:	22 Apr 2025 15:45
Client Sample ID:	PL-714-30	Operator:	YP\AJ
Data file:	FE053468.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	338382	2.442	300	ug/ml
Aliphatic C12-C16	6.765	10.214	1419478	10.01	200	ug/ml
Aliphatic C16-C21	10.215	13.590	530104	3.647	300	ug/ml
Aliphatic C21-C28	13.591	17.259	2096565	14.746	400	ug/ml
Aliphatic C28-C40	17.260	22.156	5209574	40.369	600	ug/ml
Aliphatic EPH	3.123	22.156	9594103	71.214		ug/ml
ortho-Terphenyl (SURR)	11.876	11.876	7194752	39.89		ug/ml
1-chlorooctadecane (SURR)	13.321	13.321	5703442	42.19		ug/ml
Aliphatic C9-C28	3.123	17.259	4384529	30.845	1200	ug/ml