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

Report of Analysis

Client:	PSEG			Date Collected:	04/16/25
Project:	PL-714 Watchung			Date Received:	04/17/25
Client Sample ID:	PL-714-14			SDG No.:	Q1832
Lab Sample ID:	Q1832-28			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
04/21/25 08:20	04/21/25 17:34	PB167658

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.29		1	1.50	2.54	mg/kg	FE053444.D
Aliphatic C9-C28	Aliphatic C9-C28	1.94	J	1	1.16	5.08	mg/kg	FE053444.D
Total AliphaticEPH	Total AliphaticEPH	6.23	J		2.66	7.62	mg/kg	
Total EPH	Total EPH	6.23	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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Client Sample ID:	PL-714-14		SDG No.:	Q1832	
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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 :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053444.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		1.94	J	1.16	5.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.29		1.50	2.54	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.4		40 - 140	71%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1832-28	Acq On:	21 Apr 2025 17:34
Client Sample ID:	PL-714-14	Operator:	YP\AJ
Data file:	FE053444.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.124	6.766	412789	2.979	300	ug/ml
Aliphatic C12-C16	6.767	10.216	748511	5.278	200	ug/ml
Aliphatic C16-C21	10.217	13.591	502819	3.459	300	ug/ml
Aliphatic C21-C28	13.592	17.262	1589884	11.183	400	ug/ml
Aliphatic C28-C40	17.263	22.159	6541195	50.688	600	ug/ml
Aliphatic EPH	3.124	22.159	9795198	73.587		ug/ml
ortho-Terphenyl (SURR)	11.878	11.878	6375280	35.35		ug/ml
1-chlorooctadecane (SURR)	13.323	13.323	4854796	35.91		ug/ml
Aliphatic C9-C28	3.124	17.262	3254003	22.899	1200	ug/ml