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-714-29			SDG No.:	Q1842
Lab Sample ID:	Q1842-16			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	77.5
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
04/22/25 08:25	04/22/25 15:15	PB167686

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.35		1	1.52	2.58	mg/kg	FE053467.D
Aliphatic C9-C28	Aliphatic C9-C28	4.18	J	1	1.17	5.16	mg/kg	FE053467.D
Total AliphaticEPH	Total AliphaticEPH	9.53			2.69	7.74	mg/kg	
Total EPH	Total EPH	9.53			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
FE053467.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	4.18	J	1.17	5.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.35		1.52	2.58	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.8		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1842-16	Acq On:	22 Apr 2025 15:15
Client Sample ID:	PL-714-29	Operator:	YP\AJ
Data file:	FE053467.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	742659	5.36	300	ug/ml
Aliphatic C12-C16	6.765	10.214	1514879	10.683	200	ug/ml
Aliphatic C16-C21	10.215	13.590	1273249	8.759	300	ug/ml
Aliphatic C21-C28	13.591	17.259	3399532	23.911	400	ug/ml
Aliphatic C28-C40	17.260	22.156	8043297	62.327	600	ug/ml
Aliphatic EPH	3.123	22.156	14973616	111.04		ug/ml
ortho-Terphenyl (SURR)	11.875	11.875	6093587	33.79		ug/ml
1-chlorooctadecane (SURR)	13.320	13.320	5083770	37.61		ug/ml
Aliphatic C9-C28	3.123	17.259	6930319	48.713	1200	ug/ml