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-714-17		SDG No.:	Q1832	
Lab Sample ID:	Q1832-34		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81	
Sample Wt/Vol:	30.02	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	04/22/25 9:38	PB167658

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	93.5		10	14.6	24.7	mg/kg	FE053458.D
Aliphatic C9-C28	Aliphatic C9-C28	344		10	11.2	49.2	mg/kg	FE053458.D
Total AliphaticEPH	Total AliphaticEPH	437			25.8	73.9	mg/kg	
Total EPH	Total EPH	437			25.8	73.9	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-714-17		SDG No.:	Q1832	
Lab Sample ID:	Q1832-34		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81	
Sample Wt/Vol:	30.02	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
FE053447.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	335	E	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	115	E	1.46	2.47	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.2		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.7		40 - 140	47%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1832-34	Acq On:	21 Apr 2025 19:04
Client Sample ID:	PL-714-17	Operator:	YP\AJ
Data file:	FE053447.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.124	6.766	1636181	11.808	300	ug/ml
Aliphatic C12-C16	6.767	10.216	21079271	148.649	200	ug/ml
Aliphatic C16-C21	10.217	13.591	242620766	1670	300	ug/ml
Aliphatic C21-C28	13.592	17.262	320527711	2250	400	ug/ml
Aliphatic C28-C40	17.263	22.159	181765008	1410	600	ug/ml
Aliphatic EPH	3.124	22.159	767628937	5490		ug/ml
ortho-Terphenyl (SURR)	11.884	11.884	4280171	23.73		ug/ml
1-chlorooctadecane (SURR)	13.332	13.332	6513655	48.19		ug/ml
Aliphatic C9-C28	3.124	17.262	585863929	4080	1200	ug/ml