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

Report of Analysis

Client:	PSEG			Date Collected:	04/10/25
Project:	PSEG 14th St			Date Received:	04/10/25
Client Sample ID:	WC-11-EPH			SDG No.:	Q1781
Lab Sample ID:	Q1781-10			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	78.4
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
04/11/25 09:40	04/11/25 18:21	PB167562

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.44		1	1.50	2.55	mg/kg	FC068585.D
Aliphatic C9-C28	Aliphatic C9-C28	2.63	J	1	1.16	5.09	mg/kg	FC068585.D
Total AliphaticEPH	Total AliphaticEPH	6.07	J		2.66	7.64	mg/kg	
Total EPH	Total EPH	6.07	J		2.66	7.64	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
FC068585.D	1	04/11/25	04/11/25	PB167562

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.63	J	1.16	5.09	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.44		1.50	2.55	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.4		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.0		40 - 140	52%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1781-10	Acq On:	11 Apr 2025 18:21
Client Sample ID:	WC-11-EPH	Operator:	YP/AJ
Data file:	FC068585.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	3.345	6.644	358254	3.403	300	ug/ml
Aliphatic C12-C16	6.645	10.044	640006	6.255	200	ug/ml
Aliphatic C16-C21	10.045	13.410	877083	8.876	300	ug/ml
Aliphatic C21-C28	13.411	17.076	1175267	12.478	400	ug/ml
Aliphatic C28-C40	17.077	22.084	3641444	40.513	600	ug/ml
Aliphatic EPH	3.345	22.084	6692054	71.525		ug/ml
ortho-Terphenyl (SURR)	11.712	11.712	3306464	25.97		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	2357632	25.38		ug/ml
Aliphatic C9-C28	3.345	17.076	3050610	31.012	1200	ug/ml