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:	Central Ave Substation			Date Received:	04/16/25
Client Sample ID:	TP-10-E2			SDG No.:	Q1825
Lab Sample ID:	Q1825-05			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.3
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
04/17/25 08:00	04/18/25 22:54	PB167630

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	146		10	12.8	21.6	mg/kg	FC068646.D
Aliphatic C9-C28	Aliphatic C9-C28	396		10	9.84	43.2	mg/kg	FC068646.D
Total AliphaticEPH	Total AliphaticEPH	542			22.6	64.8	mg/kg	
Total EPH	Total EPH	542			22.6	64.8	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
FC068625.D	1	04/17/25	04/17/25	PB167630

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	409	E	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	119	E	1.28	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.0		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.5		40 - 140	75%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1825-05	Acq On:	17 Apr 2025 17:49
Client Sample ID:	TP-10-E2	Operator:	YP/AJ
Data file:	FC068625.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.649	15208723	144.457	300	ug/ml
Aliphatic C12-C16	6.650	10.049	17012792	166.266	200	ug/ml
Aliphatic C16-C21	10.050	13.417	171301452	1730	300	ug/ml
Aliphatic C21-C28	13.418	17.083	343060312	3640	400	ug/ml
Aliphatic C28-C40	17.084	22.088	148509699	1650	600	ug/ml
Aliphatic EPH	3.346	22.088	695092978	7340		ug/ml
ortho-Terphenyl (SURR)	11.722	11.722	4776324	37.51		ug/ml
1-chlorooctadecane (SURR)	13.158	13.158	3805481	40.97		ug/ml
Aliphatic C9-C28	3.346	17.083	546583279	5690	1200	ug/ml