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	SDG No.:	Q1825
Lab Sample ID:	Q1825-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.03 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 22:17	PB167630

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	165		10	13.5	22.9	mg/kg	FC068645.D
Aliphatic C9-C28	Aliphatic C9-C28	492		10	10.4	45.6	mg/kg	FC068645.D
Total AliphaticEPH	Total AliphaticEPH	657			23.9	68.5	mg/kg	
Total EPH	Total EPH	657			23.9	68.5	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068624.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	519	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	148	E	1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.4		40 - 140	75%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1825-04	Acq On:	17 Apr 2025 17:13
Client Sample ID:	TP-10	Operator:	YP/AJ
Data file:	FC068624.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.649	15587923	148.059	300	ug/ml
Aliphatic C12-C16	6.650	10.049	21932623	214.348	200	ug/ml
Aliphatic C16-C21	10.050	13.417	205723112	2080	300	ug/ml
Aliphatic C21-C28	13.418	17.083	411792632	4370	400	ug/ml
Aliphatic C28-C40	17.084	22.088	175178570	1950	600	ug/ml
Aliphatic EPH	3.346	22.088	830214860	8770		ug/ml
ortho-Terphenyl (SURR)	11.723	11.723	4766299	37.43		ug/ml
1-chlorooctadecane (SURR)	13.160	13.160	3770851	40.59		ug/ml
Aliphatic C9-C28	3.346	17.083	655036290	6820	1200	ug/ml