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-11-E2	SDG No.:	Q1825
Lab Sample ID:	Q1825-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
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	04/19/25 0:24	PB167630

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	116		10	13.8	23.3	mg/kg	FE053431.D
Aliphatic C9-C28	Aliphatic C9-C28	246		10	10.6	46.7	mg/kg	FE053431.D
Total AliphaticEPH	Total AliphaticEPH	362			24.4	70.0	mg/kg	
Total EPH	Total EPH	362			24.4	70.0	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
FE053402.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	233	E	1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	110	E	1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	60.3		40 - 140	121%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.4		40 - 140	41%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1825-08	Acq On:	17 Apr 2025 17:43
Client Sample ID:	TP-11-E2	Operator:	YP\AJ
Data file:	FE053402.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.127	6.767	4684259	33.806	300	ug/ml
Aliphatic C12-C16	6.768	10.216	34031608	239.987	200	ug/ml
Aliphatic C16-C21	10.217	13.591	205181263	1410	300	ug/ml
Aliphatic C21-C28	13.592	17.260	188655234	1330	400	ug/ml
Aliphatic C28-C40	17.261	22.153	182689303	1420	600	ug/ml
Aliphatic EPH	3.127	22.153	615241667	4430		ug/ml
ortho-Terphenyl (SURR)	11.884	11.884	3679591	20.4		ug/ml
1-chlorooctadecane (SURR)	13.336	13.336	8149092	60.29		ug/ml
Aliphatic C9-C28	3.127	17.260	432552364	3010	1200	ug/ml