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

Report of Analysis

Client:	PSEG	Date Collected:	02/20/25
Project:	Bloomfield Substation	Date Received:	02/20/25
Client Sample ID:	TP8	SDG No.:	Q1397
Lab Sample ID:	Q1397-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/21/25 08:29	02/21/25 16:43	PB166818

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.25		1	2.00	2.22	mg/kg	FE052444.D
Aliphatic C9-C28	Aliphatic C9-C28	4.44	U	1	1.91	4.44	mg/kg	FE052444.D
Total AliphaticEPH	Total AliphaticEPH	6.66	U		3.91	6.66	mg/kg	
Total EPH	Total EPH	6.66	U		3.91	6.66	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
FE052444.D	1	02/21/25	02/21/25	PB166818

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.25		2.00	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.8		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.1		40 - 140	52%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1397-05	Acq On:	21 Feb 2025 16:43
Client Sample ID:	TP8	Operator:	YP\AJ
Data file:	FE052444.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.154	6.798	800950	5.139	300	ug/ml
Aliphatic C12-C16	6.799	10.250	562431	3.505	200	ug/ml
Aliphatic C16-C21	10.251	13.629	1036654	6.458	300	ug/ml
Aliphatic C21-C28	13.630	17.300	1732307	11.147	400	ug/ml
Aliphatic C28-C40	17.301	22.215	3976318	30.357	600	ug/ml
Aliphatic EPH	3.154	22.215	8108660	56.607		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4874733	26.08		ug/ml
1-chlorooctadecane (SURR)	13.360	13.360	3865506	27.81		ug/ml
Aliphatic C9-C28	3.154	17.300	4132342	26.249	1200	ug/ml