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

Report of Analysis

Client:	PSEG		Date Collected:	01/15/25	
Project:	Roseland Switch		Date Received:	01/15/25	
Client Sample ID:	RT-3407		SDG No.:	Q1093	
Lab Sample ID:	Q1093-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	93.7	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
01/16/25 09:24	01/17/25 8:52	PB166075

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	48.3		2	3.83	4.26	mg/kg	FG015108.D
Aliphatic C9-C28	Aliphatic C9-C28	1710		50	91.6	213	mg/kg	FG015109.D
Total AliphaticEPH	Total AliphaticEPH	1760			95.4	217	mg/kg	
Total EPH	Total EPH	1760			95.4	217	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
FG015092.D	1	01/16/25	01/16/25	PB166075

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1790	E	1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	49.6	E	1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.5		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.4		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1093-01	Acq On:	16 Jan 2025 14:58
Client Sample ID:	RT-3407	Operator:	YP\AJ
Data file:	FG015092.D	Misc:	
Instrument:	FID_G	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.184	6.824	1733510	13.045	300	ug/ml
Aliphatic C12-C16	6.825	10.276	563833443	3990	200	ug/ml
Aliphatic C16-C21	10.277	13.654	2112904698	14600	300	ug/ml
Aliphatic C21-C28	13.655	17.329	909521180	6650	400	ug/ml
Aliphatic C28-C40	17.330	22.271	73782310	698.76	600	ug/ml
Aliphatic EPH	3.184	22.271	3661775141	26000		ug/ml
ortho-Terphenyl (SURR)	11.966	11.966	6010265	38.44		ug/ml
1-chlorooctadecane (SURR)	13.418	13.418	3102461	25.48		ug/ml
Aliphatic C9-C28	3.184	17.329	3587992831	25300	1200	ug/ml