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

Report of Analysis

Client:	PSEG		Date Collected:	02/05/25	
Project:	Roseland Switch		Date Received:	02/05/25	
Client Sample ID:	RB21140-E2		SDG No.:	Q1304	
Lab Sample ID:	Q1304-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78.3	
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
02/06/25 09:45	02/07/25 10:04	PB166589

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	283		20	45.9	51.0	mg/kg	FC068226.D
Aliphatic C9-C28	Aliphatic C9-C28	739		20	43.9	102	mg/kg	FC068226.D
Total AliphaticEPH	Total AliphaticEPH	1020			89.8	153	mg/kg	
Total EPH	Total EPH	1020			89.8	153	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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Analytical Method:	NJEPH		% Solid:	78.3	
Sample Wt/Vol:	30.05 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068219.D	1	02/06/25	02/06/25	PB166589

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	790	E	2.19	5.11	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	292	E	2.30	2.55	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.8		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1304-02	Acq On:	06 Feb 2025 20:57
Client Sample ID:	RB21140-E2	Operator:	YP/AJ
Data file:	FC068219.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.111	6.378	894815	6.461	300	ug/ml
Aliphatic C12-C16	6.379	9.763	45212222	328.307	200	ug/ml
Aliphatic C16-C21	9.764	13.117	262106476	1940	300	ug/ml
Aliphatic C21-C28	13.118	16.770	893883382	7030	400	ug/ml
Aliphatic C28-C40	16.771	21.575	356513880	3440	600	ug/ml
Aliphatic EPH	3.111	21.575	1558610775	12700		ug/ml
ortho-Terphenyl (SURR)	11.412	11.412	5130406	32.83		ug/ml
1-chlorooctadecane (SURR)	12.857	12.857	3854738	33.52		ug/ml
Aliphatic C9-C28	3.111	16.770	1202096895	9300	1200	ug/ml