

Report of Analysis

Client:	PSEG	Date Collected:	02/05/25
Project:	Roseland Switch	Date Received:	02/05/25
Client Sample ID:	RB21140	SDG No.:	Q1304
Lab Sample ID:	Q1304-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.6
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 09:45	02/07/25 9:27	PB166589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	495		50	119	132	mg/kg FC068225.D
Aliphatic C9-C28	Aliphatic C9-C28	3560		50	114	265	mg/kg FC068225.D
Total AliphaticEPH	Total AliphaticEPH	4050			233	397	mg/kg
Total EPH	Total EPH	4050			233	397	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:	75.6
Sample Wt/Vol:	30.01 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
FC068218.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	3390	E	2.28	5.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	410	E	2.38	2.64	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.7		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	67.9		40 - 140	136%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1304-01	Acq On:	06 Feb 2025 20:20
Client Sample ID:	RB21140	Operator:	YP/AJ
Data file:	FC068218.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.111	6.378	3317238	23.953	300	ug/ml
Aliphatic C12-C16	6.379	9.763	524656083	3810	200	ug/ml
Aliphatic C16-C21	9.764	13.117	2724946402	20200	300	ug/ml
Aliphatic C21-C28	13.118	16.770	1838891473	14500	400	ug/ml
Aliphatic C28-C40	16.771	21.575	483169232	4660	600	ug/ml
Aliphatic EPH	3.111	21.575	5574980428	43100		ug/ml
ortho-Terphenyl (SURR)	11.442	11.442	10603666	67.86		ug/ml
1-chlorooctadecane (SURR)	12.890	12.890	4679563	40.69		ug/ml
Aliphatic C9-C28	3.111	16.770	5091811196	38500	1200	ug/ml