

Report of Analysis

Client:	PSEG	Date Collected:	07/16/25
Project:	Roseland Switch	Date Received:	07/16/25
Client Sample ID:	2819-E2	SDG No.:	Q2622
Lab Sample ID:	Q2622-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/17/25 09:00	07/17/25 15:20	PB168898

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	68.3		5	7.81	13.2	mg/kg FE054904.D
Aliphatic C9-C28	Aliphatic C9-C28	2800		50	60.2	265	mg/kg FE054905.D
Total AliphaticEPH	Total AliphaticEPH	2860			68.0	278	mg/kg
Total EPH	Total EPH	2860			68.0	278	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054901.D	1	07/17/25	07/17/25	PB168898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2750	E	1.20	5.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	64.8	E	1.56	2.65	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2622-02	Acq On:	17 Jul 2025 13:48
Client Sample ID:	2819-E2	Operator:	YP\AJ
Data file:	FE054901.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.327	6.962	4169643	30.647	300	ug/ml
Aliphatic C12-C16	6.963	10.415	734513979	5230	200	ug/ml
Aliphatic C16-C21	10.416	13.794	2715344057	18900	300	ug/ml
Aliphatic C21-C28	13.795	17.464	1024939059	7090	400	ug/ml
Aliphatic C28-C40	17.465	22.496	101863263	734.692	600	ug/ml
Aliphatic EPH	3.327	22.496	4580830001	31900		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.327	17.464	4478966738	31100	1200	ug/ml