

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Bridgewater Switch	Date Received:	06/27/25
Client Sample ID:	RBR200032	SDG No.:	Q2449
Lab Sample ID:	Q2449-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/30/25 08:50	06/30/25 16:54	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.46		1	1.18	2.00	mg/kg FE054631.D
Aliphatic C9-C28	Aliphatic C9-C28	44.9		1	0.91	3.99	mg/kg FE054631.D
Total AliphaticEPH	Total AliphaticEPH	48.4			2.09	5.99	mg/kg
Total EPH	Total EPH	48.4			2.09	5.99	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:	100
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
FE054631.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	44.9		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.46		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.4		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2449-01	Acq On:	30 Jun 2025 16:54
Client Sample ID:	RBR200032	Operator:	YP\AJ
Data file:	FE054631.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	3762960	27.658	300	ug/ml
Aliphatic C12-C16	6.950	10.397	7510111	53.427	200	ug/ml
Aliphatic C16-C21	10.398	13.771	61530256	426.129	300	ug/ml
Aliphatic C21-C28	13.772	17.439	24096225	166.581	400	ug/ml
Aliphatic C28-C40	17.440	22.445	7199191	51.924	600	ug/ml
Aliphatic EPH	3.322	22.445	104098743	725.718		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	6078464	37.43		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4723408	37.4		ug/ml
Aliphatic C9-C28	3.322	17.439	96899552	673.795	1200	ug/ml