

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Bridgewater Switch	Date Received:	06/27/25
Client Sample ID:	RBR200032-E2	SDG No.:	Q2449
Lab Sample ID:	Q2449-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04	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 17:25	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.67		1	1.18	2.00	mg/kg	FE054632.D
Aliphatic C9-C28	Aliphatic C9-C28	440		10	9.09	39.9	mg/kg	FE054650.D
Total AliphaticEPH	Total AliphaticEPH	449			10.3	41.9	mg/kg	
Total EPH	Total EPH	449			10.3	41.9	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

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Bridgewater Switch	Date Received:	06/27/25
Client Sample ID:	RBR200032-E2	SDG No.:	Q2449
Lab Sample ID:	Q2449-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 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
FE054632.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	421	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.67		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.2		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.6		40 - 140	113%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2449-02	Acq On:	30 Jun 2025 17:25
Client Sample ID:	RBR200032-E2	Operator:	YP\AJ
Data file:	FE054632.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	3930283	28.887	300	ug/ml
Aliphatic C12-C16	6.950	10.397	73876209	525.554	200	ug/ml
Aliphatic C16-C21	10.398	13.771	605308225	4190	300	ug/ml
Aliphatic C21-C28	13.772	17.439	228450668	1580	400	ug/ml
Aliphatic C28-C40	17.440	22.445	20139084	145.254	600	ug/ml
Aliphatic EPH	3.322	22.445	931704469	6470		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	9194095	56.62		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	5577374	44.16		ug/ml
Aliphatic C9-C28	3.322	17.439	911565385	6330	1200	ug/ml