

Report of Analysis

Client:	PSEG	Date Collected:	10/02/25
Project:	Bridgewater Switch	Date Received:	10/02/25
Client Sample ID:	R7-E2	SDG No.:	Q3272
Lab Sample ID:	Q3272-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.1
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
10/03/25 09:40	10/04/25 1:55	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	18.1		1	1.61	2.73	mg/kg FE056185.D
Aliphatic C9-C28	Aliphatic C9-C28	8.55		1	1.24	5.47	mg/kg FE056185.D
Total AliphaticEPH	Total AliphaticEPH	26.7			2.85	8.20	mg/kg
Total EPH	Total EPH	26.7			2.85	8.20	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:	73.1
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
FE056185.D	1	10/03/25	10/04/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.55		1.24	5.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.1		1.61	2.73	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.2		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3272-04	Acq On:	04 Oct 2025 01:55
Client Sample ID:	R7-E2	Operator:	YP\AJ
Data file:	FE056185.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	1465543	10.466	300	ug/ml
Aliphatic C12-C16	6.945	10.393	5143332	33.534	200	ug/ml
Aliphatic C16-C21	10.394	13.770	5842397	35.221	300	ug/ml
Aliphatic C21-C28	13.771	17.439	2190085	14.745	400	ug/ml
Aliphatic C28-C40	17.440	22.443	27032121	198.398	600	ug/ml
Aliphatic EPH	3.311	22.443	41673478	292.364		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	6787035	36.17		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	5455605	39.09		ug/ml
Aliphatic C9-C28	3.311	17.439	14641357	93.966	1200	ug/ml