

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	PSEG - Old Trenton Road - West Windsor	Date Received:	03/04/25
Client Sample ID:	TR-OTR-COMP-01	SDG No.:	Q1484
Lab Sample ID:	Q1484-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/05/25 08:33	03/05/25 20:27	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	28.4		1	1.99	2.21	mg/kg	FE052641.D
Aliphatic C9-C28	Aliphatic C9-C28	1.97	J	1	1.90	4.41	mg/kg	FE052641.D
Total AliphaticEPH	Total AliphaticEPH	30.4			3.89	6.62	mg/kg	
Total EPH	Total EPH	30.4			3.89	6.62	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:	03/04/25
Project:	PSEG - Old Trenton Road - West Windsor	Date Received:	03/04/25
Client Sample ID:	TR-OTR-COMP-01	SDG No.:	Q1484
Lab Sample ID:	Q1484-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 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
FE052641.D	1	03/05/25	03/05/25	PB166980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.97	J	1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.4		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.6		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1484-01	Acq On:	05 Mar 2025 20:27
Client Sample ID:	TR-OTR-COMP-01	Operator:	YP\AJ
Data file:	FE052641.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.797	799048	5.124	300	ug/ml
Aliphatic C12-C16	6.798	10.248	607428	3.994	200	ug/ml
Aliphatic C16-C21	10.249	13.627	771694	5.266	300	ug/ml
Aliphatic C21-C28	13.628	17.301	2490127	17.48	400	ug/ml
Aliphatic C28-C40	17.302	22.222	49246097	385.974	600	ug/ml
Aliphatic EPH	3.153	22.222	53914394	417.838		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	5282495	31.33		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	4078978	33.59		ug/ml
Aliphatic C9-C28	3.153	17.301	4668297	31.864	1200	ug/ml