

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-01	SDG No.:	Q1484
Lab Sample ID:	Q1484-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.05 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 20:58	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.1		1	2.01	2.24	mg/kg	FE052642.D
Aliphatic C9-C28	Aliphatic C9-C28	4.47	U	1	1.92	4.47	mg/kg	FE052642.D
Total AliphaticEPH	Total AliphaticEPH	18.1			3.93	6.71	mg/kg	
Total EPH	Total EPH	18.1			3.93	6.71	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-01	SDG No.:	Q1484
Lab Sample ID:	Q1484-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
FE052642.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	0.000	U	1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.1		2.01	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.7		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1484-03	Acq On:	05 Mar 2025 20:58
Client Sample ID:	TR-OTR-01	Operator:	YP\AJ
Data file:	FE052642.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.797	893116	5.727	300	ug/ml
Aliphatic C12-C16	6.798	10.248	665787	4.377	200	ug/ml
Aliphatic C16-C21	10.249	13.627	557795	3.806	300	ug/ml
Aliphatic C21-C28	13.628	17.301	1726424	12.119	400	ug/ml
Aliphatic C28-C40	17.302	22.222	30915775	242.307	600	ug/ml
Aliphatic EPH	3.153	22.222	34758897	268.337		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	6023493	35.73		ug/ml
1-chlorooctadecane (SURR)	13.363	13.363	4694937	38.66		ug/ml
Aliphatic C9-C28	3.153	17.301	3843122	26.029	1200	ug/ml