

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-03	SDG No.:	Q1484
Lab Sample ID:	Q1484-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
Sample Wt/Vol:	30.04 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 21:28	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1	2.08	2.31	mg/kg	FE052643.D
Aliphatic C9-C28	Aliphatic C9-C28	4.63	U	1	1.99	4.63	mg/kg	FE052643.D
Total AliphaticEPH	Total AliphaticEPH	17.2			4.07	6.94	mg/kg	
Total EPH	Total EPH	17.2			4.07	6.94	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052643.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	1.99	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.2		2.08	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.3		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.7		40 - 140	43%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1484-05	Acq On:	05 Mar 2025 21:28
Client Sample ID:	TR-OTR-03	Operator:	YP\AJ
Data file:	FE052643.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.797	811585	5.204	300	ug/ml
Aliphatic C12-C16	6.798	10.248	497268	3.269	200	ug/ml
Aliphatic C16-C21	10.249	13.627	863112	5.89	300	ug/ml
Aliphatic C21-C28	13.628	17.301	1803269	12.659	400	ug/ml
Aliphatic C28-C40	17.302	22.222	28518007	223.514	600	ug/ml
Aliphatic EPH	3.153	22.222	32493241	250.536		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	3653831	21.67		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	2831258	23.32		ug/ml
Aliphatic C9-C28	3.153	17.301	3975234	27.022	1200	ug/ml