

Report of Analysis

Client:	PSEG	Date Collected:	04/21/25
Project:	Lawrenceville HQ	Date Received:	04/21/25
Client Sample ID:	ETGI-342	SDG No.:	Q1848
Lab Sample ID:	Q1848-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 09:40	04/22/25 17:43	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	41.7		1	1.35	2.28	mg/kg FG015742.D
Aliphatic C9-C28	Aliphatic C9-C28	28.7		1	1.04	4.56	mg/kg FG015742.D
Total AliphaticEPH	Total AliphaticEPH	70.4			2.39	6.84	mg/kg
Total EPH	Total EPH	70.4			2.39	6.84	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:	04/21/25
Project:	Lawrenceville HQ	Date Received:	04/21/25
Client Sample ID:	ETGI-342	SDG No.:	Q1848
Lab Sample ID:	Q1848-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06 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
FG015742.D	1	04/22/25	04/22/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	28.7		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.7		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1848-05	Acq On:	22 Apr 2025 17:43
Client Sample ID:	ETGI-342	Operator:	YP\AJ
Data file:	FG015742.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.786	718776	6.375	300	ug/ml
Aliphatic C12-C16	6.787	10.235	1809946	15.678	200	ug/ml
Aliphatic C16-C21	10.236	13.612	10485187	88.136	300	ug/ml
Aliphatic C21-C28	13.613	17.283	30183828	266.897	400	ug/ml
Aliphatic C28-C40	17.284	22.194	54088637	548.245	600	ug/ml
Aliphatic EPH	3.145	22.194	97286374	925.333		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	4299212	29.65		ug/ml
1-chlorooctadecane (SURR)	13.347	13.347	3786469	35.81		ug/ml
Aliphatic C9-C28	3.145	17.283	43197737	377.086	1200	ug/ml