

Report of Analysis

Client:	PSEG	Date Collected:	05/19/25
Project:	OR-640 Haworth Boro & Dumont	Date Received:	05/19/25
Client Sample ID:	OR-640-147	SDG No.:	Q2084
Lab Sample ID:	Q2084-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/21/25 09:30	05/21/25 16:20	PB168103

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.31	2.22	mg/kg FE053948.D
Aliphatic C9-C28	Aliphatic C9-C28	11.4		1	1.01	4.44	mg/kg FE053948.D
Total AliphaticEPH	Total AliphaticEPH	24.4			2.32	6.66	mg/kg
Total EPH	Total EPH	24.4			2.32	6.66	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:	05/19/25
Project:	OR-640 Haworth Boro & Dumont	Date Received:	05/19/25
Client Sample ID:	OR-640-147	SDG No.:	Q2084
Lab Sample ID:	Q2084-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.08 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
FE053948.D	1	05/21/25	05/21/25	PB168103

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.4		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.9		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2084-04	Acq On:	21 May 2025 16:20
Client Sample ID:	OR-640-147	Operator:	YP\AJ
Data file:	FE053948.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.735	333198	2.458	300	ug/ml
Aliphatic C12-C16	6.736	10.183	1832359	13.579	200	ug/ml
Aliphatic C16-C21	10.184	13.556	5914167	44.835	300	ug/ml
Aliphatic C21-C28	13.557	17.223	11509414	92.686	400	ug/ml
Aliphatic C28-C40	17.224	22.099	20289706	175.774	600	ug/ml
Aliphatic EPH	3.094	22.099	39878844	329.331		ug/ml
ortho-Terphenyl (SURR)	11.844	11.844	5348152	32.91		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	4475010	37.75		ug/ml
Aliphatic C9-C28	3.094	17.223	19589138	153.558	1200	ug/ml