

Report of Analysis

Client:	PSEG	Date Collected:	05/28/25
Project:	Bellmawr Sub HQ	Date Received:	05/28/25
Client Sample ID:	BELL-25-0010	SDG No.:	Q2139
Lab Sample ID:	Q2139-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/29/25 09:15	05/30/25 10:00	PB168197

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	7120		100	698	1180	mg/kg FE054090.D
Aliphatic C9-C28	Aliphatic C9-C28	21300		100	538	2360	mg/kg FE054090.D
Total AliphaticEPH	Total AliphaticEPH	28400			1240	3550	mg/kg
Total EPH	Total EPH	28400			1240	3550	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
FE054081.D	1	05/29/25	05/29/25	PB168197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	27400	E	5.39	23.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5660	E	6.98	11.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	607		40 - 140	1215%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	101		40 - 140	202%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2139-01	Acq On:	29 May 2025 20:06
Client Sample ID:	BELL-25-0010	Operator:	YP\AJ
Data file:	FE054081.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.088	6.732	248001883	1830	300	ug/ml
Aliphatic C12-C16	6.733	10.179	1004164291	7440	200	ug/ml
Aliphatic C16-C21	10.180	13.553	1818667686	13800	300	ug/ml
Aliphatic C21-C28	13.554	17.219	5775561942	46500	400	ug/ml
Aliphatic C28-C40	17.220	22.092	1654823326	14300	600	ug/ml
Aliphatic EPH	3.088	22.092	10501219128	83900		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	16418782	101.03		ug/ml
1-chlorooctadecane (SURR)	13.327	13.327	71995224	607.3		ug/ml
Aliphatic C9-C28	3.088	17.219	8846395802	69600	1200	ug/ml