

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:	Q2139-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.03	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 10:30	PB168197

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6820		50	351	596	mg/kg FE054091.D
Aliphatic C9-C28	Aliphatic C9-C28	35000		200	1080	4770	mg/kg FE054092.D
Total AliphaticEPH	Total AliphaticEPH	41800			1440	5370	mg/kg
Total EPH	Total EPH	41800			1440	5370	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
FE054082.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	34600	E	5.43	23.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6030	E	7.04	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	234		40 - 140	469%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	140		40 - 140	280%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2139-02	Acq On:	29 May 2025 20:36
Client Sample ID:	BELL-25-0010	Operator:	YP\AJ
Data file:	FE054082.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.088	6.732	228610373	1690	300	ug/ml
Aliphatic C12-C16	6.733	10.179	419095414	3110	200	ug/ml
Aliphatic C16-C21	10.180	13.553	2174769399	16500	300	ug/ml
Aliphatic C21-C28	13.554	17.219	8161247906	65700	400	ug/ml
Aliphatic C28-C40	17.220	22.092	1750705116	15200	600	ug/ml
Aliphatic EPH	3.088	22.092	12734428208	102000		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	22735246	139.9		ug/ml
1-chlorooctadecane (SURR)	13.327	13.327	27787488	234.4		ug/ml
Aliphatic C9-C28	3.088	17.219	10983723092	87000	1200	ug/ml