

Report of Analysis

Client:	PSEG	Date Collected:	08/21/25
Project:	Burlington Laydown	Date Received:	08/21/25
Client Sample ID:	ARS20-0002-SOIL	SDG No.:	Q2932
Lab Sample ID:	Q2932-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
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
08/25/25 08:20	08/26/25 9:48	PB169369

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	80.1		5	6.16	10.4	mg/kg FC069739.D
Aliphatic C9-C28	Aliphatic C9-C28	3800		100	95.0	417	mg/kg FC069740.D
Total AliphaticEPH	Total AliphaticEPH	3880			101	427	mg/kg
Total EPH	Total EPH	3880			101	427	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069730.D	1	08/25/25	08/25/25	PB169369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3980	E	0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	81.7	E	1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2932-03	Acq On:	25 Aug 2025 20:02
Client Sample ID:	ARS20-0002-SOIL	Operator:	YP/AJ
Data file:	FC069730.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	6443708	44.538	300	ug/ml
Aliphatic C12-C16	6.595	9.997	778121769	5420	200	ug/ml
Aliphatic C16-C21	9.998	13.365	5344367450	40000	300	ug/ml
Aliphatic C21-C28	13.366	17.031	1389252991	11700	400	ug/ml
Aliphatic C28-C40	17.032	22.006	111825131	1170	600	ug/ml
Aliphatic EPH	3.297	22.006	7630011049	58400		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.297	17.031	7518185918	57200	1200	ug/ml