

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Burlington Laydown	Date Received:	
Client Sample ID:	ARS20-0002-SOILMS	SDG No.:	Q2932
Lab Sample ID:	Q2932-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
Sample Wt/Vol:	30.01      Units:    g	Final Vol:	2000                      uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 08:20	08/25/25 21:31	PB169369

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	3790			2.19	6.29	mg/kg
Total EPH	Total EPH	3790			2.19	6.29	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:	
Project:	Burlington Gas District	Date Received:	
Client Sample ID:	ARS20-0002-SOILMS	SDG No.:	Q2932
Lab Sample ID:	Q2932-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 08:20	08/25/25 21:31	PB169369

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	3790			2.19	6.29	mg/kg
Total EPH	Total EPH	3790			2.19	6.29	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.

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## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Burlington Gas District	Date Received:	
Client Sample ID:	ARS20-0002-SOILMS	SDG No.:	Q2932
Lab Sample ID:	Q2932-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
Sample Wt/Vol:	30.01      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
FC069732.D	1	08/25/25	08/25/25	PB169369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	3690	E	0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	106	E	1.24	2.09	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	51.6		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.22		40 - 140	4%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2932-03MS	Acq On:	25 Aug 2025 21:31
Client Sample ID:	Q2932-03MS	Operator:	YP/AJ
Data file:	FC069732.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	29563334	204.337	300	ug/ml
Aliphatic C12-C16	6.595	9.997	802013967	5590	200	ug/ml
Aliphatic C16-C21	9.998	13.365	4840965707	36200	300	ug/ml
Aliphatic C21-C28	13.366	17.031	1279852649	10800	400	ug/ml
Aliphatic C28-C40	17.032	22.006	145059493	1520	600	ug/ml
Aliphatic EPH	3.297	22.006	7097455150	54400		ug/ml
ortho-Terphenyl (SURR)	11.665	11.665	331253	2.22		ug/ml
1-chlorooctadecane (SURR)	13.119	13.119	5628032	51.62		ug/ml
Aliphatic C9-C28	3.297	17.031	6952395657	52900	1200	ug/ml