

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Burlington Laydown	Date Received:	
Client Sample ID:	ARS20-0002-SOILMSD	SDG No.:	Q2932
Lab Sample ID:	Q2932-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
Sample Wt/Vol:	30.04	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 22:15	PB169369

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	3850			2.18	6.28	mg/kg
Total EPH	Total EPH	3850			2.18	6.28	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-SOILMSD	SDG No.:	Q2932
Lab Sample ID:	Q2932-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
Sample Wt/Vol:	30.04	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	08/25/25 22:15	PB169369

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	3850			2.18	6.28	mg/kg
Total EPH	Total EPH	3850			2.18	6.28	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-SOILMSD	SDG No.:	Q2932
Lab Sample ID:	Q2932-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
Sample Wt/Vol:	30.04 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
FC069733.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	3750	E	0.95	4.19	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	106	E	1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.6		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.79		40 - 140	2%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2932-03MSD	Acq On:	25 Aug 2025 22:15
Client Sample ID:	Q2932-03MSD	Operator:	YP/AJ
Data file:	FC069733.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	29883483	206.55	300	ug/ml
Aliphatic C12-C16	6.595	9.997	821455909	5730	200	ug/ml
Aliphatic C16-C21	9.998	13.365	4918049069	36800	300	ug/ml
Aliphatic C21-C28	13.366	17.031	1303193994	11000	400	ug/ml
Aliphatic C28-C40	17.032	22.006	146200761	1530	600	ug/ml
Aliphatic EPH	3.297	22.006	7218783216	55400		ug/ml
ortho-Terphenyl (SURR)	11.667	11.667	117678	0.79		ug/ml
1-chlorooctadecane (SURR)	13.120	13.120	3662349	33.59		ug/ml
Aliphatic C9-C28	3.297	17.031	7072582455	53800	1200	ug/ml