

Report of Analysis

Client:	PSEG	Date Collected:	08/21/25
Project:	Burlington Laydown	Date Received:	08/21/25
Client Sample ID:	ARS20-0009	SDG No.:	Q2932
Lab Sample ID:	Q2932-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.02 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	08/26/25 8:52	PB169369

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	58.4		2	2.51	4.26	mg/kg FE055496.D
Aliphatic C9-C28	Aliphatic C9-C28	121		2	1.94	8.52	mg/kg FE055496.D
Total AliphaticEPH	Total AliphaticEPH	179			4.45	12.8	mg/kg
Total EPH	Total EPH	179			4.45	12.8	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
FE055481.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	124	E	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.7	E	1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.1		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.8		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2932-01	Acq On:	25 Aug 2025 14:17
Client Sample ID:	ARS20-0009	Operator:	YP\AJ
Data file:	FE055481.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	3.318	6.954	597624	5.117	300	ug/ml
Aliphatic C12-C16	6.955	10.408	15898930	126.961	200	ug/ml
Aliphatic C16-C21	10.409	13.788	162970915	1290	300	ug/ml
Aliphatic C21-C28	13.789	17.461	39748770	329.85	400	ug/ml
Aliphatic C28-C40	17.462	22.488	87739356	769.73	600	ug/ml
Aliphatic EPH	3.318	22.488	306955595	2520		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	6111472	42.8		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	4737611	44.06		ug/ml
Aliphatic C9-C28	3.318	17.461	219216239	1750	1200	ug/ml