

Report of Analysis

Client:	PSEG	Date Collected:	08/29/25
Project:	Waverly Substation	Date Received:	08/29/25
Client Sample ID:	CONTAINMENT-B	SDG No.:	Q2996
Lab Sample ID:	Q2996-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/02/25 10:30	09/02/25 18:10	PB169491

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	38.2		1	1.18	2.00	mg/kg FG016505.D
Aliphatic C9-C28	Aliphatic C9-C28	1050		25	22.7	99.9	mg/kg FG016519.D
Total AliphaticEPH	Total AliphaticEPH	1090			23.9	102	mg/kg
Total EPH	Total EPH	1090			23.9	102	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
FG016505.D	1	09/02/25	09/02/25	PB169491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	991	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.3		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.7		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2996-03	Acq On:	02 Sep 2025 18:10
Client Sample ID:	CONTAINMENT-B	Operator:	YP\AJ
Data file:	FG016505.D	Misc:	
Instrument:	FID_G	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.289	6.931	465525	4.057	300	ug/ml
Aliphatic C12-C16	6.932	10.390	70693194	602.293	200	ug/ml
Aliphatic C16-C21	10.391	13.780	871991445	7420	300	ug/ml
Aliphatic C21-C28	13.781	17.465	768502310	6870	400	ug/ml
Aliphatic C28-C40	17.466	22.506	52203958	574.4	600	ug/ml
Aliphatic EPH	3.289	22.506	1763856432	15500		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	5912488	44.66		ug/ml
1-chlorooctadecane (SURR)	13.537	13.537	4058705	40.32		ug/ml
Aliphatic C9-C28	3.289	17.465	1711652474	14900	1200	ug/ml