284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	08/29/25
Project:	Waverly Substation	Date Received:	08/29/25
Client Sample ID:	CONTAINMENT-C	SDG No.:	Q2996
Lab Sample ID:	Q2996-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 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 18:39	PB169491

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.17		1	1.18	2.00	mg/kg	FG016506.D
Aliphatic C9-C28	Aliphatic C9-C28	144		5	4.55	20.0	mg/kg	FG016520.D
Total AliphaticEPH	Total AliphaticEPH	152			5.73	22.0	mg/kg	
Total EPH	Total EPH	152			5.73	22.0	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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Project:	Waverly Substation	Date Received:	08/29/25
Client Sample ID:	CONTAINMENT-C	SDG No.:	Q2996
Lab Sample ID:	Q2996-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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
FG016506.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		148	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.17		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.2		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2996-05	Acq On:	02 Sep 2025 18:39
Client Sample ID:	CONTAINMENT-C	Operator:	YP\AJ
Data file:	FG016506.D	Misc:	
Instrument:	FID_G	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.289	6.931	289460	2.523	300	ug/ml
Aliphatic C12-C16	6.932	10.390	2197978	18.726	200	ug/ml
Aliphatic C16-C21	10.391	13.780	114640507	975.878	300	ug/ml
Aliphatic C21-C28	13.781	17.465	137576260	1230	400	ug/ml
Aliphatic C28-C40	17.466	22.506	11150349	122.687	600	ug/ml
Aliphatic EPH	3.289	22.506	265854554	2350		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	4793580	36.21		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3725474	37.01		ug/ml
Aliphatic C9-C28	3.289	17.465	254704205	2230	1200	ug/ml