

Report of Analysis

Client:	PSEG	Date Collected:	03/13/25
Project:	Central Gas Plant	Date Received:	03/13/25
Client Sample ID:	CTWK-COMP	SDG No.:	Q1566
Lab Sample ID:	Q1566-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/14/25 08:30	03/14/25 14:23	PB167135

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.32		1	1.46	2.48	mg/kg FE052806.D
Aliphatic C9-C28	Aliphatic C9-C28	6.47		1	1.13	4.96	mg/kg FE052806.D
Total AliphaticEPH	Total AliphaticEPH	14.8			2.59	7.43	mg/kg
Total EPH	Total EPH	14.8			2.59	7.43	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:	03/13/25
Project:	Central Gas Plant	Date Received:	03/13/25
Client Sample ID:	CTWK-COMP	SDG No.:	Q1566
Lab Sample ID:	Q1566-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.7
Sample Wt/Vol:	30.03 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
FE052806.D	1	03/14/25	03/14/25	PB167135

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.47		1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.32		1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1566-01	Acq On:	14 Mar 2025 14:23
Client Sample ID:	CTWK-COMP	Operator:	YP\AJ
Data file:	FE052806.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	739626	4.743	300	ug/ml
Aliphatic C12-C16	6.792	10.242	2107403	13.856	200	ug/ml
Aliphatic C16-C21	10.243	13.620	2815561	19.213	300	ug/ml
Aliphatic C21-C28	13.621	17.291	5783659	40.601	400	ug/ml
Aliphatic C28-C40	17.292	22.205	12863509	100.82	600	ug/ml
Aliphatic EPH	3.148	22.205	24309758	179.231		ug/ml
ortho-Terphenyl (SURR)	11.907	11.907	5997764	35.58		ug/ml
1-chlorooctadecane (SURR)	13.352	13.352	4531806	37.32		ug/ml
Aliphatic C9-C28	3.148	17.291	11446249	78.413	1200	ug/ml