

Report of Analysis

Client:	PSEG	Date Collected:	03/13/25
Project:	Central Gas Plant	Date Received:	03/13/25
Client Sample ID:	CTWK-COMP-E2	SDG No.:	Q1566
Lab Sample ID:	Q1566-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/14/25 08:30	03/14/25 16:23	PB167135

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.82		1	1.45	2.46	mg/kg	FE052810.D
Aliphatic C9-C28	Aliphatic C9-C28	4.79	J	1	1.12	4.92	mg/kg	FE052810.D
Total AliphaticEPH	Total AliphaticEPH	8.61			2.57	7.38	mg/kg	
Total EPH	Total EPH	8.61			2.57	7.38	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052810.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	4.79	J	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.82		1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.6		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1566-02	Acq On:	14 Mar 2025 16:23
Client Sample ID:	CTWK-COMP-E2	Operator:	YP\AJ
Data file:	FE052810.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	3.148	6.791	784623	5.031	300	ug/ml
Aliphatic C12-C16	6.792	10.242	1981704	13.029	200	ug/ml
Aliphatic C16-C21	10.243	13.620	2210066	15.081	300	ug/ml
Aliphatic C21-C28	13.621	17.291	3627920	25.468	400	ug/ml
Aliphatic C28-C40	17.292	22.205	5961109	46.721	600	ug/ml
Aliphatic EPH	3.148	22.205	14565422	105.33		ug/ml
ortho-Terphenyl (SURR)	11.907	11.907	6504869	38.58		ug/ml
1-chlorooctadecane (SURR)	13.351	13.351	5014849	41.3		ug/ml
Aliphatic C9-C28	3.148	17.291	8604313	58.609	1200	ug/ml