

Report of Analysis

Client:	PSEG	Date Collected:	12/04/24
Project:	Central Gas Plant	Date Received:	12/04/24
Client Sample ID:	CTWK-COMP-1-E2	SDG No.:	P5105
Lab Sample ID:	P5105-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/05/24 09:55	12/05/24 17:33	PB165385

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	9.88		1	2.23	2.48	mg/kg FE051553.D
Aliphatic C9-C28	Aliphatic C9-C28	70.2		1	2.13	4.96	mg/kg FE051553.D
Total AliphaticEPH	Total AliphaticEPH	80.0			4.36	7.44	mg/kg
Total EPH	Total EPH	80.0			4.36	7.44	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
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051553.D	1	12/05/24	12/05/24	PB165385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	70.2		2.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.88		2.23	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5105-02	Acq On:	05 Dec 2024 17:33
Client Sample ID:	CTWK-COMP-1-E2	Operator:	YP\AJ
Data file:	FE051553.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	3.120	6.734	1980885	14.006	300	ug/ml
Aliphatic C12-C16	6.735	10.166	2364624	16.801	200	ug/ml
Aliphatic C16-C21	10.167	13.525	20449406	147.012	300	ug/ml
Aliphatic C21-C28	13.526	17.181	87876724	671.83	400	ug/ml
Aliphatic C28-C40	17.182	22.017	12800732	119.522	600	ug/ml
Aliphatic EPH	3.120	22.017	125472371	969.171		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	4014216	26.56		ug/ml
1-chlorooctadecane (SURR)	13.261	13.261	4064128	36.37		ug/ml
Aliphatic C9-C28	3.120	17.181	112671639	849.649	1200	ug/ml