

Report of Analysis

Client:	PSEG	Date Collected:	03/13/25
Project:	Jersey City Gas District	Date Received:	03/13/25
Client Sample ID:	JC-03-03132025-1	SDG No.:	Q1568
Lab Sample ID:	Q1568-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.05	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 17:23	PB167135

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	15.5		1	1.31	2.22	mg/kg FE052812.D
Aliphatic C9-C28	Aliphatic C9-C28	15.1		1	1.01	4.44	mg/kg FE052812.D
Total AliphaticEPH	Total AliphaticEPH	30.6			2.32	6.66	mg/kg
Total EPH	Total EPH	30.6			2.32	6.66	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
FE052812.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	15.1		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.5		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.0		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1568-02	Acq On:	14 Mar 2025 17:23
Client Sample ID:	JC-03-03132025-1	Operator:	YP\AJ
Data file:	FE052812.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	902234	5.785	300	ug/ml
Aliphatic C12-C16	6.792	10.242	5360781	35.245	200	ug/ml
Aliphatic C16-C21	10.243	13.620	12241495	83.532	300	ug/ml
Aliphatic C21-C28	13.621	17.291	11398108	80.014	400	ug/ml
Aliphatic C28-C40	17.292	22.205	26762586	209.756	600	ug/ml
Aliphatic EPH	3.148	22.205	56665204	414.333		ug/ml
ortho-Terphenyl (SURR)	11.907	11.907	5558364	32.97		ug/ml
1-chlorooctadecane (SURR)	13.351	13.351	4470672	36.82		ug/ml
Aliphatic C9-C28	3.148	17.291	29902618	204.576	1200	ug/ml