

Report of Analysis

Client:	PSEG	Date Collected:	03/13/25
Project:	Jersey City Gas District	Date Received:	03/13/25
Client Sample ID:	JC-03-03132025-2	SDG No.:	Q1568
Lab Sample ID:	Q1568-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/14/25 08:30	03/14/25 18:23	PB167135

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	115		5	6.63	11.2	mg/kg FE052814.D
Aliphatic C9-C28	Aliphatic C9-C28	13.8		1	1.02	4.49	mg/kg FE052813.D
Total AliphaticEPH	Total AliphaticEPH	129			7.65	15.7	mg/kg
Total EPH	Total EPH	129			7.65	15.7	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052813.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	13.8		1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	101	E	1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.2		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.5		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1568-03	Acq On:	14 Mar 2025 17:53
Client Sample ID:	JC-03-03132025-2	Operator:	YP\AJ
Data file:	FE052813.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	12019245	77.072	300	ug/ml
Aliphatic C12-C16	6.792	10.242	3658192	24.051	200	ug/ml
Aliphatic C16-C21	10.243	13.620	2414633	16.477	300	ug/ml
Aliphatic C21-C28	13.621	17.291	9606201	67.435	400	ug/ml
Aliphatic C28-C40	17.292	22.205	172157138	1350	600	ug/ml
Aliphatic EPH	3.148	22.205	199855409	1530		ug/ml
ortho-Terphenyl (SURR)	11.906	11.906	3789129	22.48		ug/ml
1-chlorooctadecane (SURR)	13.351	13.351	2935253	24.17		ug/ml
Aliphatic C9-C28	3.148	17.291	27698271	185.035	1200	ug/ml