

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	SDG No.:	Q1568
Lab Sample ID:	Q1568-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.02 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 16:53	PB167135

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	24.6		1	1.27	2.15	mg/kg FE052811.D
Aliphatic C9-C28	Aliphatic C9-C28	6.57		1	0.98	4.29	mg/kg FE052811.D
Total AliphaticEPH	Total AliphaticEPH	31.2			2.25	6.44	mg/kg
Total EPH	Total EPH	31.2			2.25	6.44	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052811.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	6.57		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.6		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.3		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.5		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1568-01	Acq On:	14 Mar 2025 16:53
Client Sample ID:	JC-03-03132025	Operator:	YP\AJ
Data file:	FE052811.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	3540248	22.701	300	ug/ml
Aliphatic C12-C16	6.792	10.242	2565711	16.869	200	ug/ml
Aliphatic C16-C21	10.243	13.620	2351497	16.046	300	ug/ml
Aliphatic C21-C28	13.621	17.291	5131877	36.025	400	ug/ml
Aliphatic C28-C40	17.292	22.205	43786764	343.186	600	ug/ml
Aliphatic EPH	3.148	22.205	57376097	434.827		ug/ml
ortho-Terphenyl (SURR)	11.903	11.903	4296850	25.49		ug/ml
1-chlorooctadecane (SURR)	13.347	13.347	3313522	27.29		ug/ml
Aliphatic C9-C28	3.148	17.291	13589333	91.641	1200	ug/ml