

Report of Analysis

Client:	PSEG	Date Collected:	07/15/25
Project:	PSEG - Gas Con. - McCarter Highway	Date Received:	07/15/25
Client Sample ID:	HR-MCN-03	SDG No.:	Q2614
Lab Sample ID:	Q2614-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.7
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
07/16/25 09:25	07/17/25 12:48	PB168876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	118		5	7.12	12.1	mg/kg FE054899.D
Aliphatic C9-C28	Aliphatic C9-C28	19.6		1	1.10	4.83	mg/kg FE054886.D
Total AliphaticEPH	Total AliphaticEPH	138			8.22	16.9	mg/kg
Total EPH	Total EPH	138			8.22	16.9	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

Report of Analysis

Client:	PSEG	Date Collected:	07/15/25
Project:	PSEG - Gas Con. - McCarter Highway	Date Received:	07/15/25
Client Sample ID:	HR-MCN-03	SDG No.:	Q2614
Lab Sample ID:	Q2614-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054886.D	1	07/16/25	07/16/25	PB168876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	19.6		1.10	4.83	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	102	E	1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.0		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2614-05	Acq On:	16 Jul 2025 20:49
Client Sample ID:	HR-MCN-03	Operator:	YP\AJ
Data file:	FE054886.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	1007337	7.404	300	ug/ml
Aliphatic C12-C16	6.959	10.410	2087588	14.851	200	ug/ml
Aliphatic C16-C21	10.411	13.787	11760907	81.45	300	ug/ml
Aliphatic C21-C28	13.788	17.458	20274258	140.159	400	ug/ml
Aliphatic C28-C40	17.459	22.479	175946811	1270	600	ug/ml
Aliphatic EPH	3.325	22.479	211076901	1510		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	5529999	34.05		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4522689	35.81		ug/ml
Aliphatic C9-C28	3.325	17.458	35130090	243.864	1200	ug/ml