

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-02	SDG No.:	Q2614
Lab Sample ID:	Q2614-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.5
Sample Wt/Vol:	30.01 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 12:17	PB168876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	89.8		5	7.92	13.4	mg/kg	FE054898.D
Aliphatic C9-C28	Aliphatic C9-C28	16.3		1	1.22	5.37	mg/kg	FE054885.D
Total AliphaticEPH	Total AliphaticEPH	106			9.14	18.8	mg/kg	
Total EPH	Total EPH	106			9.14	18.8	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-02	SDG No.:	Q2614
Lab Sample ID:	Q2614-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.5
Sample Wt/Vol:	30.01 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
FE054885.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	16.3		1.22	5.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	78.8	E	1.58	2.68	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.9		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2614-04	Acq On:	16 Jul 2025 20:19
Client Sample ID:	HR-MCN-02	Operator:	YP\AJ
Data file:	FE054885.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	1377670	10.126	300	ug/ml
Aliphatic C12-C16	6.959	10.410	2772375	19.723	200	ug/ml
Aliphatic C16-C21	10.411	13.787	9465681	65.555	300	ug/ml
Aliphatic C21-C28	13.788	17.458	12569930	86.898	400	ug/ml
Aliphatic C28-C40	17.459	22.479	122086140	880.551	600	ug/ml
Aliphatic EPH	3.325	22.479	148271796	1060		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	5337065	32.86		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	4230720	33.5		ug/ml
Aliphatic C9-C28	3.325	17.458	26185656	182.302	1200	ug/ml