

Report of Analysis

Client:	PSEG	Date Collected:	02/10/25
Project:	Camden Gas M&R Project	Date Received:	02/10/25
Client Sample ID:	SOIL-COMP	SDG No.:	Q1346
Lab Sample ID:	Q1346-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/11/25 09:42	02/11/25 15:23	PB166666

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.88		1	2.07	2.30	mg/kg FE052349.D
Aliphatic C9-C28	Aliphatic C9-C28	13.0		1	1.98	4.60	mg/kg FE052349.D
Total AliphaticEPH	Total AliphaticEPH	19.9			4.05	6.90	mg/kg
Total EPH	Total EPH	19.9			4.05	6.90	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052349.D	1	02/11/25	02/11/25	PB166666

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	13.0		1.98	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.88		2.07	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1346-01	Acq On:	11 Feb 2025 15:23
Client Sample ID:	SOIL-COMP	Operator:	YP\AJ
Data file:	FE052349.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.677	7.234	2248801	23.38	300	ug/ml
Aliphatic C12-C16	7.235	10.639	1247080	11.909	200	ug/ml
Aliphatic C16-C21	10.640	13.986	6339578	56.091	300	ug/ml
Aliphatic C21-C28	13.987	17.629	8938416	78.408	400	ug/ml
Aliphatic C28-C40	17.630	22.716	8210754	89.683	600	ug/ml
Aliphatic EPH	3.677	22.716	26984629	259.471		ug/ml
ortho-Terphenyl (SURR)	12.311	12.311	3633439	29.36		ug/ml
1-chlorooctadecane (SURR)	13.723	13.723	3048074	30.89		ug/ml
Aliphatic C9-C28	3.677	17.629	18773875	169.788	1200	ug/ml