

Report of Analysis

Client:	PSEG	Date Collected:	05/09/25
Project:	Camden M&R	Date Received:	05/09/25
Client Sample ID:	SOIL-STOCK	SDG No.:	Q2004
Lab Sample ID:	Q2004-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/12/25 08:30	05/12/25 20:36	PB167945

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.90	J	1	1.20	2.03	mg/kg	FE053778.D
Aliphatic C9-C28	Aliphatic C9-C28	5.49		1	0.92	4.07	mg/kg	FE053778.D
Total AliphaticEPH	Total AliphaticEPH	7.38			2.12	6.10	mg/kg	
Total EPH	Total EPH	7.38			2.12	6.10	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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Lab Sample ID:	Q2004-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.3
Sample Wt/Vol:	30.05 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
FE053778.D	1	05/12/25	05/12/25	PB167945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.49		0.92	4.07	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.90	J	1.20	2.03	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.3		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.6		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2004-09	Acq On:	12 May 2025 20:36
Client Sample ID:	SOIL-STOCK	Operator:	YP\AJ
Data file:	FE053778.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	3.103	6.745	373504	2.696	300	ug/ml
Aliphatic C12-C16	6.746	10.194	534765	3.771	200	ug/ml
Aliphatic C16-C21	10.195	13.568	9480804	65.221	300	ug/ml
Aliphatic C21-C28	13.569	17.237	1317436	9.266	400	ug/ml
Aliphatic C28-C40	17.238	22.126	3612451	27.993	600	ug/ml
Aliphatic EPH	3.103	22.126	15318960	108.947		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	8949159	49.62		ug/ml
1-chlorooctadecane (SURR)	13.301	13.301	6932751	51.29		ug/ml
Aliphatic C9-C28	3.103	17.237	11706509	80.954	1200	ug/ml