

Report of Analysis

Client:	PSEG	Date Collected:	05/09/25
Project:	Camden M&R	Date Received:	05/09/25
Client Sample ID:	STONE-STOCK	SDG No.:	Q2004
Lab Sample ID:	Q2004-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/12/25 08:30	05/12/25 21:06	PB167945

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.23	J	1	1.18	2.00	mg/kg	FE053779.D
Aliphatic C9-C28	Aliphatic C9-C28	3.99	U	1	0.91	3.99	mg/kg	FE053779.D
Total AliphaticEPH	Total AliphaticEPH	5.99	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	5.99	U		2.09	5.99	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:	Q2004-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 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
FE053779.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	0.000	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.23	J	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.7		40 - 140	97%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2004-11	Acq On:	12 May 2025 21:06
Client Sample ID:	STONE-STOCK	Operator:	YP\AJ
Data file:	FE053779.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.103	6.745	481579	3.476	300	ug/ml
Aliphatic C12-C16	6.746	10.194	479630	3.382	200	ug/ml
Aliphatic C16-C21	10.195	13.568	518450	3.567	300	ug/ml
Aliphatic C21-C28	13.569	17.237	830860	5.844	400	ug/ml
Aliphatic C28-C40	17.238	22.126	2382213	18.46	600	ug/ml
Aliphatic EPH	3.103	22.126	4692732	34.728		ug/ml
ortho-Terphenyl (SURR)	11.856	11.856	8789443	48.73		ug/ml
1-chlorooctadecane (SURR)	13.301	13.301	6805033	50.34		ug/ml
Aliphatic C9-C28	3.103	17.237	2310519	16.269	1200	ug/ml