

Report of Analysis

Client:	PSEG	Date Collected:	11/21/24
Project:	Secaucus HQ	Date Received:	11/21/24
Client Sample ID:	72-11944-E2	SDG No.:	P4948
Lab Sample ID:	P4948-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.2
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
11/22/24 09:25	11/22/24 18:09	PB165186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	32.4		1	1.85	2.06	mg/kg FE051414.D
Aliphatic C9-C28	Aliphatic C9-C28	62.4		1	1.77	4.12	mg/kg FE051414.D
Total AliphaticEPH	Total AliphaticEPH	94.8			3.62	6.17	mg/kg
Total EPH	Total EPH	94.8			3.62	6.17	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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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051414.D	1	11/22/24	11/22/24	PB165186

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	62.4		1.77	4.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.4		1.85	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.0		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4948-04	Acq On:	22 Nov 2024 18:09
Client Sample ID:	72-11944-E2	Operator:	YP\AJ
Data file:	FE051414.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.130	6.744	732116	5.233	300	ug/ml
Aliphatic C12-C16	6.745	10.177	2568164	18.261	200	ug/ml
Aliphatic C16-C21	10.178	13.537	82068913	595.704	300	ug/ml
Aliphatic C21-C28	13.538	17.193	39672387	296.17	400	ug/ml
Aliphatic C28-C40	17.194	22.037	60960023	473.482	600	ug/ml
Aliphatic EPH	3.130	22.037	186001603	1390		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	5408598	36.03		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	4482154	39.48		ug/ml
Aliphatic C9-C28	3.130	17.193	125041580	915.368	1200	ug/ml