

Report of Analysis

Client:	PSEG	Date Collected:	11/21/24
Project:	Secaucus HQ	Date Received:	11/21/24
Client Sample ID:	72-11944	SDG No.:	P4948
Lab Sample ID:	P4948-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.2
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
11/22/24 09:25	11/25/24 9:44	PB165186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	61.0		2	3.70	4.11	mg/kg	FE051426.D
Aliphatic C9-C28	Aliphatic C9-C28	3050		100	177	409	mg/kg	FE051427.D
Total AliphaticEPH	Total AliphaticEPH	3110			180	413	mg/kg	
Total EPH	Total EPH	3110			180	413	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051413.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	2840	E	1.77	4.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	62.2	E	1.85	2.05	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.1		40 - 140	112%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4948-03	Acq On:	22 Nov 2024 17:39
Client Sample ID:	72-11944	Operator:	YP\AJ
Data file:	FE051413.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.130	6.744	7761945	55.476	300	ug/ml
Aliphatic C12-C16	6.745	10.177	791105705	5630	200	ug/ml
Aliphatic C16-C21	10.178	13.537	3669161808	26600	300	ug/ml
Aliphatic C21-C28	13.538	17.193	1237477136	9240	400	ug/ml
Aliphatic C28-C40	17.194	22.037	116939698	908.281	600	ug/ml
Aliphatic EPH	3.130	22.037	5822446292	42500		ug/ml
ortho-Terphenyl (SURR)	11.881	11.881	8416481	56.07		ug/ml
1-chlorooctadecane (SURR)	13.318	13.318	4215590	37.13		ug/ml
Aliphatic C9-C28	3.130	17.193	5705506594	41600	1200	ug/ml