

Report of Analysis

Client:	PSEG	Date Collected:	11/21/24
Project:	Secaucus HQ	Date Received:	11/21/24
Client Sample ID:	337	SDG No.:	P4948
Lab Sample ID:	P4948-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.06	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	11/22/24 15:09	PB165186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.9		1	1.89	2.10	mg/kg FE051408.D
Aliphatic C9-C28	Aliphatic C9-C28	8.16		1	1.81	4.20	mg/kg FE051408.D
Total AliphaticEPH	Total AliphaticEPH	19.1			3.70	6.30	mg/kg
Total EPH	Total EPH	19.1			3.70	6.30	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
FE051408.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	8.16		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.9		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.3		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4948-01	Acq On:	22 Nov 2024 15:09
Client Sample ID:	337	Operator:	YP\AJ
Data file:	FE051408.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	3.130	6.744	1258730	8.996	300	ug/ml
Aliphatic C12-C16	6.745	10.177	2813169	20.003	200	ug/ml
Aliphatic C16-C21	10.178	13.537	5324076	38.645	300	ug/ml
Aliphatic C21-C28	13.538	17.193	6548608	48.888	400	ug/ml
Aliphatic C28-C40	17.194	22.037	20027751	155.557	600	ug/ml
Aliphatic EPH	3.130	22.037	35972334	272.09		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	6113902	40.73		ug/ml
1-chlorooctadecane (SURR)	13.273	13.273	5253023	46.27		ug/ml
Aliphatic C9-C28	3.130	17.193	15944583	116.532	1200	ug/ml