

Report of Analysis

Client:	PSEG	Date Collected:	11/05/24
Project:	JC-701 Jersey City	Date Received:	11/05/24
Client Sample ID:	JC-701-02	SDG No.:	P4720
Lab Sample ID:	P4720-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
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
11/07/24 09:50	11/07/24 16:10	PB164751

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.65		1	2.04	2.27	mg/kg FE051086.D
Aliphatic C9-C28	Aliphatic C9-C28	15.3		1	1.96	4.55	mg/kg FE051086.D
Total AliphaticEPH	Total AliphaticEPH	23.9			4.00	6.82	mg/kg
Total EPH	Total EPH	23.9			4.00	6.82	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
FE051086.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15.3		1.96	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.65		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.8		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.4		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4720-04	Acq On:	07 Nov 2024 16:10
Client Sample ID:	JC-701-02	Operator:	YP\AJ
Data file:	FE051086.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	5496772	39.287	300	ug/ml
Aliphatic C12-C16	6.758	10.189	3088030	21.958	200	ug/ml
Aliphatic C16-C21	10.190	13.548	12856396	93.319	300	ug/ml
Aliphatic C21-C28	13.549	17.202	6333777	47.284	400	ug/ml
Aliphatic C28-C40	17.203	22.047	14715323	114.295	600	ug/ml
Aliphatic EPH	3.140	22.047	42490298	316.143		ug/ml
ortho-Terphenyl (SURR)	11.849	11.849	5917796	39.43		ug/ml
1-chlorooctadecane (SURR)	13.283	13.283	4513121	39.75		ug/ml
Aliphatic C9-C28	3.140	17.202	27774975	201.848	1200	ug/ml