

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-COMP-01	SDG No.:	P4720
Lab Sample ID:	P4720-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
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
11/07/24 09:50	11/07/24 17:52	PB164751

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	22.9		1	1.98	2.20	mg/kg FC067660.D
Aliphatic C9-C28	Aliphatic C9-C28	8.87		1	1.89	4.40	mg/kg FC067660.D
Total AliphaticEPH	Total AliphaticEPH	31.8			3.87	6.60	mg/kg
Total EPH	Total EPH	31.8			3.87	6.60	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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Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.06 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
FC067660.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	8.87		1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.9		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.3		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.2		40 - 140	96%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4720-01	Acq On:	07 Nov 2024 17:52
Client Sample ID:	JC-701-COMP-01	Operator:	YP/AJ
Data file:	FC067660.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.452	3714063	27.416	300	ug/ml
Aliphatic C12-C16	6.453	9.842	1686869	12.81	200	ug/ml
Aliphatic C16-C21	9.843	13.198	3669537	28.841	300	ug/ml
Aliphatic C21-C28	13.199	16.853	6218868	51.785	400	ug/ml
Aliphatic C28-C40	16.854	21.696	31479183	311.388	600	ug/ml
Aliphatic EPH	3.171	21.696	46768520	432.24		ug/ml
ortho-Terphenyl (SURR)	11.495	11.495	7078456	48.24		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	5327005	49.33		ug/ml
Aliphatic C9-C28	3.171	16.853	15289337	120.852	1200	ug/ml