284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	12/18/24
Project:	Kingsland Substation	Date Received:	12/18/24
Client Sample ID:	RB21198	SDG No.:	P5342
Lab Sample ID:	P5342-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 09:10	12/20/24 10:01	PB165749

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	218		25	57.2	63.6	mg/kg	FE051733.D
Aliphatic C9-C28	Aliphatic C9-C28	1700		25	54.7	127	mg/kg	FE051733.D
Total AliphaticEPH	Total AliphaticEPH	1920			112	191	mg/kg	
Total EPH	Total EPH	1920			112	191	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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Client Sample ID:	RB21198		SDG No.:	P5342	
Lab Sample ID:	P5342-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78.6	
Sample Wt/Vol:	30.02	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
FE051718.D	1	12/19/24	12/19/24	PB165749

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1640	E	2.19	5.09	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		233	E	2.29	2.54	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		52.4		40 - 140	105%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5342-05	Acq On:	19 Dec 2024 17:31
Client Sample ID:	RB21198	Operator:	YP\AJ
Data file:	FE051718.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.381	6.952	692191	5.548	300	ug/ml
Aliphatic C12-C16	6.953	10.358	304852046	2200	200	ug/ml
Aliphatic C16-C21	10.359	13.700	1410025710	9760	300	ug/ml
Aliphatic C21-C28	13.701	17.331	1007433456	7390	400	ug/ml
Aliphatic C28-C40	17.332	22.209	298490336	2750	600	ug/ml
Aliphatic EPH	3.381	22.209	3021493739	22200		ug/ml
ortho-Terphenyl (SURR)	12.038	12.038	8404487	52.35		ug/ml
1-chlorooctadecane (SURR)	13.464	13.464	5045956	40		ug/ml
Aliphatic C9-C28	3.381	17.331	2723003403	19400	1200	ug/ml