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

Report of Analysis

Client:	PSEG	Date Collected:	01/31/25
Project:	Kingsland Substation	Date Received:	01/31/25
Client Sample ID:	CHRT-20430-E2	SDG No.:	Q1261
Lab Sample ID:	Q1261-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	54.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/01/25 09:31	02/04/25 11:34	PB166469

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1370		25	82.0	91.1	mg/kg	FF015458.D
Aliphatic C9-C28	Aliphatic C9-C28	32000		500	1570	3640	mg/kg	FF015459.D
Total AliphaticEPH	Total AliphaticEPH	33400			1650	3740	mg/kg	
Total EPH	Total EPH	33400			1650	3740	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015446.D	1	02/01/25	02/03/25	PB166469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	29900	E	3.14	7.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1200	E	3.28	3.65	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1261-02	Acq On:	03 Feb 2025 20:29
Client Sample ID:	CHRT-20430-E2	Operator:	YP\AJ
Data file:	FF015446.D	Misc:	
Instrument:	FID_F	ALS Vial:	84
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.835	78472679	588.723	300	ug/ml
Aliphatic C12-C16	6.836	10.270	3673617622	26500	200	ug/ml
Aliphatic C16-C21	10.271	13.640	23561700683	163000	300	ug/ml
Aliphatic C21-C28	13.641	17.307	7931219361	55700	400	ug/ml
Aliphatic C28-C40	17.308	22.219	1032676734	9860	600	ug/ml
Aliphatic EPH	3.213	22.219	36277687079	256000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.213	17.307	35245010345	246000	1200	ug/ml