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

Report of Analysis

Client:	PSEG	Date Collected:	02/18/25
Project:	Stanley Terrace Substation	Date Received:	02/18/25
Client Sample ID:	ST-1-E2	SDG No.:	Q1385
Lab Sample ID:	Q1385-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/19/25 08:55	02/19/25 17:33	PB166773

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	28.5		1	1.80	2.00	mg/kg	FE052410.D
Aliphatic C9-C28	Aliphatic C9-C28	1.72	U	1	1.72	3.99	mg/kg	FE052410.D
Total AliphaticEPH	Total AliphaticEPH	28.5			3.52	5.99	mg/kg	
Total EPH	Total EPH	28.5			3.52	5.99	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

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

Report of Analysis

Client:	PSEG	Date Collected:	02/18/25
Project:	Stanley Terrace Substation	Date Received:	02/18/25
Client Sample ID:	ST-1-E2	SDG No.:	Q1385
Lab Sample ID:	Q1385-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.07 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
FE052410.D	1	02/19/25	02/19/25	PB166773

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		28.5		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.3		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.3		40 - 140	53%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1385-02	Acq On:	19 Feb 2025 17:33
Client Sample ID:	ST-1-E2	Operator:	YP\AJ
Data file:	FE052410.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.796	743542	4.771	300	ug/ml
Aliphatic C12-C16	6.797	10.248	383644	2.391	200	ug/ml
Aliphatic C16-C21	10.249	13.628	317683	1.979	300	ug/ml
Aliphatic C21-C28	13.629	17.300	667825	4.297	400	ug/ml
Aliphatic C28-C40	17.301	22.222	56204289	429.091	600	ug/ml
Aliphatic EPH	3.152	22.222	58316983	442.529		ug/ml
ortho-Terphenyl (SURR)	11.922	11.922	4913940	26.29		ug/ml
1-chlorooctadecane (SURR)	13.367	13.367	3934587	28.31		ug/ml
Aliphatic C9-C28	3.152	17.300	2112694	13.438	1200	ug/ml