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

Report of Analysis

Client:	PSEG	Date Collected:	02/05/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/05/25
Client Sample ID:	WC-6-EPH	SDG No.:	Q1309
Lab Sample ID:	Q1309-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 09:45	02/06/25 20:03	PB166589

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.03		1	2.01	2.24	mg/kg	FE052275.D
Aliphatic C9-C28	Aliphatic C9-C28	4.47	U	1	1.92	4.47	mg/kg	FE052275.D
Total AliphaticEPH	Total AliphaticEPH	8.03			3.93	6.71	mg/kg	
Total EPH	Total EPH	8.03			3.93	6.71	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:	02/05/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/05/25
Client Sample ID:	WC-6-EPH	SDG No.:	Q1309
Lab Sample ID:	Q1309-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 09:45	02/06/25 20:03	PB166589

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.03		1	2.01	2.24	mg/kg	FE052275.D
Aliphatic C9-C28	Aliphatic C9-C28	4.47	U	1	1.92	4.47	mg/kg	FE052275.D
Total AliphaticEPH	Total AliphaticEPH	8.03			3.93	6.71	mg/kg	
Total EPH	Total EPH	8.03			3.93	6.71	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:	02/05/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/05/25
Client Sample ID:	WC-6-EPH	SDG No.:	Q1309
Lab Sample ID:	Q1309-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.09 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
FE052275.D	1	02/06/25	02/06/25	PB166589

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.03		2.01	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		26.8		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		24.5		40 - 140	49%	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:	Q1309-18	Acq On:	06 Feb 2025 20:03
Client Sample ID:	WC-6-EPH	Operator:	YP\AJ
Data file:	FE052275.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	3.679	7.237	481088	5.002	300	ug/ml
Aliphatic C12-C16	7.238	10.641	455140	4.346	200	ug/ml
Aliphatic C16-C21	10.642	13.987	346833	3.069	300	ug/ml
Aliphatic C21-C28	13.988	17.631	711998	6.246	400	ug/ml
Aliphatic C28-C40	17.632	22.723	9862541	107.724	600	ug/ml
Aliphatic EPH	3.679	22.723	11857600	126.387		ug/ml
ortho-Terphenyl (SURR)	12.309	12.309	3030520	24.49		ug/ml
1-chlorooctadecane (SURR)	13.721	13.721	2649201	26.84		ug/ml
Aliphatic C9-C28	3.679	17.631	1995059	18.663	1200	ug/ml