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-8-EPH	SDG No.:	Q1309
Lab Sample ID:	Q1309-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.9
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
02/06/25 09:45	02/06/25 21:03	PB166589

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.22		1	2.12	2.35	mg/kg	FE052277.D
Aliphatic C9-C28	Aliphatic C9-C28	4.71	U	1	2.02	4.71	mg/kg	FE052277.D
Total AliphaticEPH	Total AliphaticEPH	7.22			4.14	7.06	mg/kg	
Total EPH	Total EPH	7.22			4.14	7.06	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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02/06/25 09:45	02/06/25 21:03	PB166589

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Total AliphaticEPH	Total AliphaticEPH	7.22			4.14	7.06	mg/kg	
Total EPH	Total EPH	7.22			4.14	7.06	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.

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Report of Analysis

Client:	PSEG	Date Collected:	02/05/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/05/25
Client Sample ID:	WC-8-EPH	SDG No.:	Q1309
Lab Sample ID:	Q1309-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.9
Sample Wt/Vol:	30.03 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
FE052277.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	2.02	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.22		2.12	2.35	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		40.5		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1309-22	Acq On:	06 Feb 2025 21:03
Client Sample ID:	WC-8-EPH	Operator:	YP\AJ
Data file:	FE052277.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.237	516324	5.368	300	ug/ml
Aliphatic C12-C16	7.238	10.641	591459	5.648	200	ug/ml
Aliphatic C16-C21	10.642	13.987	421469	3.729	300	ug/ml
Aliphatic C21-C28	13.988	17.631	1033027	9.062	400	ug/ml
Aliphatic C28-C40	17.632	22.723	8421103	91.98	600	ug/ml
Aliphatic EPH	3.679	22.723	10983382	115.787		ug/ml
ortho-Terphenyl (SURR)	12.310	12.310	5008612	40.47		ug/ml
1-chlorooctadecane (SURR)	13.722	13.722	4321121	43.78		ug/ml
Aliphatic C9-C28	3.679	17.631	2562279	23.807	1200	ug/ml