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-2	SDG No.:	Q1309
Lab Sample ID:	Q1309-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.7
Sample Wt/Vol:	30.08 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 15:31	PB166589

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.0		1	2.14	2.38	mg/kg	FE052266.D
Aliphatic C9-C28	Aliphatic C9-C28	4.76	U	1	2.05	4.76	mg/kg	FE052266.D
Total AliphaticEPH	Total AliphaticEPH	12.0			4.19	7.14	mg/kg	
Total EPH	Total EPH	12.0			4.19	7.14	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
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Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 09:45	02/06/25 15:31	PB166589

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Total EPH	Total EPH	12.0			4.19	7.14	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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Client:	PSEG	Date Collected:	02/05/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/05/25
Client Sample ID:	WC-2	SDG No.:	Q1309
Lab Sample ID:	Q1309-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.7
Sample Wt/Vol:	30.08 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
FE052266.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	2.05	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		12.0		2.14	2.38	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.4		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1309-01	Acq On:	06 Feb 2025 15:31
Client Sample ID:	WC-2	Operator:	YP\AJ
Data file:	FE052266.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.237	474760	4.936	300	ug/ml
Aliphatic C12-C16	7.238	10.641	760275	7.26	200	ug/ml
Aliphatic C16-C21	10.642	13.987	565299	5.002	300	ug/ml
Aliphatic C21-C28	13.988	17.631	1036482	9.092	400	ug/ml
Aliphatic C28-C40	17.632	22.723	13806129	150.798	600	ug/ml
Aliphatic EPH	3.679	22.723	16642945	177.089		ug/ml
ortho-Terphenyl (SURR)	12.314	12.314	4746854	38.35		ug/ml
1-chlorooctadecane (SURR)	13.725	13.725	3987667	40.41		ug/ml
Aliphatic C9-C28	3.679	17.631	2836816	26.29	1200	ug/ml