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

Report of Analysis

Client:	PSEG	Date Collected:	01/16/25
Project:	Big Timber Creek Project	Date Received:	01/16/25
Client Sample ID:	VNJ-214	SDG No.:	Q1115
Lab Sample ID:	Q1115-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/17/25 10:10	01/17/25 17:24	PB166099

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.42		1	2.33	2.59	mg/kg	FE051951.D
Aliphatic C9-C28	Aliphatic C9-C28	5.12	J	1	2.22	5.16	mg/kg	FE051951.D
Total AliphaticEPH	Total AliphaticEPH	13.5			4.55	7.75	mg/kg	
Total EPH	Total EPH	13.5			4.55	7.75	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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Project:	Big Timber Creek Project		Date Received:	01/16/25	
Client Sample ID:	VNJ-214		SDG No.:	Q1115	
Lab Sample ID:	Q1115-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	77.2	
Sample Wt/Vol:	30.04	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
FE051951.D	1	01/17/25	01/17/25	PB166099

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		5.12	J	2.22	5.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.42		2.33	2.59	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		29.2		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		28.4		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1115-04	Acq On:	17 Jan 2025 17:24
Client Sample ID:	VNJ-214	Operator:	YP\AJ
Data file:	FE051951.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.508	7.090	743458	6.78	300	ug/ml
Aliphatic C12-C16	7.091	10.508	641546	5.293	200	ug/ml
Aliphatic C16-C21	10.509	13.863	4023991	30.674	300	ug/ml
Aliphatic C21-C28	13.864	17.513	2193789	16.612	400	ug/ml
Aliphatic C28-C40	17.514	22.545	10473854	97.62	600	ug/ml
Aliphatic EPH	3.508	22.545	18076638	156.978		ug/ml
ortho-Terphenyl (SURR)	12.183	12.183	4059894	28.41		ug/ml
1-chlorooctadecane (SURR)	13.605	13.605	3345327	29.16		ug/ml
Aliphatic C9-C28	3.508	17.513	7602784	59.359	1200	ug/ml