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

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-1-E3	SDG No.:	Q1489
Lab Sample ID:	Q1489-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/05/25 08:33	03/05/25 18:25	PB166980

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.0		1	2.39	2.65	mg/kg	FF015607.D
Aliphatic C9-C28	Aliphatic C9-C28	6.98		1	2.28	5.31	mg/kg	FF015607.D
Total AliphaticEPH	Total AliphaticEPH	17.0			4.67	7.96	mg/kg	
Total EPH	Total EPH	17.0			4.67	7.96	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
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015607.D	1	03/05/25	03/05/25	PB166980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.98		2.28	5.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.0		2.39	2.65	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-03	Acq On:	05 Mar 2025 18:25
Client Sample ID:	TP-1-E3	Operator:	YP\AJ
Data file:	FF015607.D	Misc:	
Instrument:	FID_F	ALS Vial:	81
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.196	6.822	1043544	8.298	300	ug/ml
Aliphatic C12-C16	6.823	10.260	1268840	9.905	200	ug/ml
Aliphatic C16-C21	10.261	13.631	4091249	29.598	300	ug/ml
Aliphatic C21-C28	13.632	17.298	4378405	31.07	400	ug/ml
Aliphatic C28-C40	17.299	22.196	13059371	113.598	600	ug/ml
Aliphatic EPH	3.196	22.196	23841409	192.469		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	4742049	30.34		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	3834836	32.41		ug/ml
Aliphatic C9-C28	3.196	17.298	10782038	78.871	1200	ug/ml