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-3	SDG No.:	Q1489
Lab Sample ID:	Q1489-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
Sample Wt/Vol:	30.02 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 23:29	PB166980

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.6		1	2.37	2.63	mg/kg	FE052647.D
Aliphatic C9-C28	Aliphatic C9-C28	3.79	J	1	2.26	5.25	mg/kg	FE052647.D
Total AliphaticEPH	Total AliphaticEPH	14.4			4.63	7.88	mg/kg	
Total EPH	Total EPH	14.4			4.63	7.88	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052647.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		3.79	J	2.26	5.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		10.6		2.37	2.63	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		30.4		40 - 140	61%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-09	Acq On:	05 Mar 2025 23:29
Client Sample ID:	TP-3	Operator:	YP\AJ
Data file:	FE052647.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.797	5197873	33.331	300	ug/ml
Aliphatic C12-C16	6.798	10.248	1513259	9.949	200	ug/ml
Aliphatic C16-C21	10.249	13.627	552551	3.77	300	ug/ml
Aliphatic C21-C28	13.628	17.301	950378	6.672	400	ug/ml
Aliphatic C28-C40	17.302	22.222	15499551	121.48	600	ug/ml
Aliphatic EPH	3.153	22.222	23713612	175.202		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	5120732	30.37		ug/ml
1-chlorooctadecane (SURR)	13.364	13.364	3941131	32.46		ug/ml
Aliphatic C9-C28	3.153	17.301	8214061	53.722	1200	ug/ml