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

Report of Analysis

Client:	PSEG	Date Collected:	04/21/25
Project:	Lawrenceville HQ	Date Received:	04/21/25
Client Sample ID:	ETGI-275-E2	SDG No.:	Q1848
Lab Sample ID:	Q1848-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 09:40	04/23/25 10:15	PB167690

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	59.6		2	2.72	4.60	mg/kg	FG015751.D
Aliphatic C9-C28	Aliphatic C9-C28	40.9		1	1.05	4.60	mg/kg	FG015741.D
Total AliphaticEPH	Total AliphaticEPH	100			3.77	9.20	mg/kg	
Total EPH	Total EPH	100			3.77	9.20	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
FG015741.D	1	04/22/25	04/22/25	PB167690

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		40.9		1.05	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		50.3	E	1.36	2.30	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		25.6		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1848-04	Acq On:	22 Apr 2025 17:14
Client Sample ID:	ETGI-275-E2	Operator:	YP\AJ
Data file:	FG015741.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.786	336726	2.987	300	ug/ml
Aliphatic C12-C16	6.787	10.235	1272852	11.026	200	ug/ml
Aliphatic C16-C21	10.236	13.612	13457817	113.123	300	ug/ml
Aliphatic C21-C28	13.613	17.283	45910407	405.958	400	ug/ml
Aliphatic C28-C40	17.284	22.194	64696378	655.766	600	ug/ml
Aliphatic EPH	3.145	22.194	125674180	1190		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	3703878	25.55		ug/ml
1-chlorooctadecane (SURR)	13.346	13.346	3358372	31.76		ug/ml
Aliphatic C9-C28	3.145	17.283	60977802	533.094	1200	ug/ml