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-342-E2	SDG No.:	Q1848
Lab Sample ID:	Q1848-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
04/22/25 09:40	04/23/25 9:11	PB167690

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	83.4		5	6.78	11.5	mg/kg	FG015750.D
Aliphatic C9-C28	Aliphatic C9-C28	86.7		5	5.22	23.0	mg/kg	FG015750.D
Total AliphaticEPH	Total AliphaticEPH	170			12.0	34.5	mg/kg	
Total EPH	Total EPH	170			12.0	34.5	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
FG015743.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	99.0	E	1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	84.3	E	1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.5		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.3		40 - 140	73%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1848-06	Acq On:	22 Apr 2025 18:13
Client Sample ID:	ETGI-342-E2	Operator:	YP\AJ
Data file:	FG015743.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.786	921382	8.173	300	ug/ml
Aliphatic C12-C16	6.787	10.235	2951215	25.564	200	ug/ml
Aliphatic C16-C21	10.236	13.612	46915556	394.362	300	ug/ml
Aliphatic C21-C28	13.613	17.283	97756007	864.397	400	ug/ml
Aliphatic C28-C40	17.284	22.194	108571738	1100	600	ug/ml
Aliphatic EPH	3.145	22.194	257115898	2390		ug/ml
ortho-Terphenyl (SURR)	11.903	11.903	5267905	36.34		ug/ml
1-chlorooctadecane (SURR)	13.348	13.348	5131634	48.53		ug/ml
Aliphatic C9-C28	3.145	17.283	148544160	1290	1200	ug/ml