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

Report of Analysis

Client:	PSEG	Date Collected:	01/07/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	01/07/25
Client Sample ID:	HR-02-01072025	SDG No.:	Q1029
Lab Sample ID:	Q1029-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
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
01/08/25 08:06	01/09/25 9:48	PB165974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	86.4		5	9.60	10.7	mg/kg	FE051887.D
Aliphatic C9-C28	Aliphatic C9-C28	51.7		1	1.83	4.27	mg/kg	FE051874.D
Total AliphaticEPH	Total AliphaticEPH	138			11.4	15.0	mg/kg	
Total EPH	Total EPH	138			11.4	15.0	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
FE051874.D	1	01/08/25	01/08/25	PB165974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	51.7		1.83	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	82.9	E	1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.4		40 - 140	71%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1029-01	Acq On:	08 Jan 2025 18:46
Client Sample ID:	HR-02-01072025	Operator:	YP\AJ
Data file:	FE051874.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.428	7.024	9763722	85.727	300	ug/ml
Aliphatic C12-C16	7.025	10.452	43111801	347.86	200	ug/ml
Aliphatic C16-C21	10.453	13.814	28734979	217.653	300	ug/ml
Aliphatic C21-C28	13.815	17.470	9951109	75.967	400	ug/ml
Aliphatic C28-C40	17.471	22.484	127297188	1170	600	ug/ml
Aliphatic EPH	3.428	22.484	218858799	1890		ug/ml
ortho-Terphenyl (SURR)	12.148	12.148	5128756	35.38		ug/ml
1-chlorooctadecane (SURR)	13.573	13.573	4028633	35.06		ug/ml
Aliphatic C9-C28	3.428	17.470	91561611	727.207	1200	ug/ml