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

Report of Analysis

Client:	PSEG	Date Collected:	02/21/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	02/21/25
Client Sample ID:	HR-02-02212025-E2	SDG No.:	Q1411
Lab Sample ID:	Q1411-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/24/25 09:00	02/24/25 16:50	PB166837

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.96	2.18	mg/kg	FE052470.D
Aliphatic C9-C28	Aliphatic C9-C28	2.30	J	1	1.87	4.36	mg/kg	FE052470.D
Total AliphaticEPH	Total AliphaticEPH	21.2			3.83	6.54	mg/kg	
Total EPH	Total EPH	21.2			3.83	6.54	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
FE052470.D	1	02/24/25	02/24/25	PB166837

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.30	J	1.87	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		18.9		1.96	2.18	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.6		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.8		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1411-02	Acq On:	24 Feb 2025 16:50
Client Sample ID:	HR-02-02212025-E2	Operator:	YP\AJ
Data file:	FE052470.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.798	925383	5.938	300	ug/ml
Aliphatic C12-C16	6.799	10.251	1090656	6.796	200	ug/ml
Aliphatic C16-C21	10.252	13.630	979700	6.103	300	ug/ml
Aliphatic C21-C28	13.631	17.303	1998852	12.862	400	ug/ml
Aliphatic C28-C40	17.304	22.230	34143431	260.667	600	ug/ml
Aliphatic EPH	3.155	22.230	39138022	292.367		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	5000044	26.75		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	3973887	28.59		ug/ml
Aliphatic C9-C28	3.155	17.303	4994591	31.699	1200	ug/ml