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

Report of Analysis

Client:	PSEG	Date Collected:	02/27/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	02/27/25
Client Sample ID:	HR-0-02272025-E2	SDG No.:	Q1457
Lab Sample ID:	Q1457-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/28/25 08:30	02/28/25 18:17	PB166929

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	65.9		10	19.3	21.4	mg/kg	FE052569.D
Aliphatic C9-C28	Aliphatic C9-C28	141		10	18.4	42.8	mg/kg	FE052569.D
Total AliphaticEPH	Total AliphaticEPH	207			37.7	64.2	mg/kg	
Total EPH	Total EPH	207			37.7	64.2	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
FE052567.D	1	02/28/25	02/28/25	PB166929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	136	E	1.84	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.8	E	1.93	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.3		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1457-02	Acq On:	28 Feb 2025 17:17
Client Sample ID:	HR-0-02272025-E2	Operator:	YP\AJ
Data file:	FE052567.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.154	6.799	23845139	153.007	300	ug/ml
Aliphatic C12-C16	6.800	10.253	141711451	883.069	200	ug/ml
Aliphatic C16-C21	10.254	13.632	121828234	758.97	300	ug/ml
Aliphatic C21-C28	13.633	17.305	16897257	108.731	400	ug/ml
Aliphatic C28-C40	17.306	22.226	111631673	852.25	600	ug/ml
Aliphatic EPH	3.154	22.226	415913754	2760		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	5339519	28.56		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	3652516	26.28		ug/ml
Aliphatic C9-C28	3.154	17.305	304282081	1900	1200	ug/ml