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

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	03/24/25
Client Sample ID:	HR-01-032425	SDG No.:	Q1634
Lab Sample ID:	Q1634-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/25/25 09:30	03/26/25 10:04	PB167292

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	66.8		5	6.47	11.0	mg/kg	FE052972.D
Aliphatic C9-C28	Aliphatic C9-C28	165		5	4.98	21.9	mg/kg	FE052972.D
Total AliphaticEPH	Total AliphaticEPH	232			11.5	32.9	mg/kg	
Total EPH	Total EPH	232			11.5	32.9	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052958.D	1	03/25/25	03/25/25	PB167292

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	140	E	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	62.6	E	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.6		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.0		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1634-01	Acq On:	25 Mar 2025 15:55
Client Sample ID:	HR-01-032425	Operator:	YP\AJ
Data file:	FE052958.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	3.147	6.791	34499824	221.226	300	ug/ml
Aliphatic C12-C16	6.792	10.245	139695435	918.454	200	ug/ml
Aliphatic C16-C21	10.246	13.624	98673313	673.317	300	ug/ml
Aliphatic C21-C28	13.625	17.298	14907779	104.651	400	ug/ml
Aliphatic C28-C40	17.299	22.217	109301343	856.667	600	ug/ml
Aliphatic EPH	3.147	22.217	397077694	2770		ug/ml
ortho-Terphenyl (SURR)	11.906	11.906	5231494	31.03		ug/ml
1-chlorooctadecane (SURR)	13.351	13.351	3600407	29.65		ug/ml
Aliphatic C9-C28	3.147	17.298	287776351	1920	1200	ug/ml