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

Report of Analysis

Client:	PSEG	Date Collected:	04/11/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	04/11/25
Client Sample ID:	HR-03-041125-E2	SDG No.:	Q1785
Lab Sample ID:	Q1785-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/14/25 08:38	04/15/25 9:38	PB167574

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	84.0		10	12.5	21.1	mg/kg	FE053361.D
Aliphatic C9-C28	Aliphatic C9-C28	312		10	9.61	42.3	mg/kg	FE053361.D
Total AliphaticEPH	Total AliphaticEPH	396			22.1	63.4	mg/kg	
Total EPH	Total EPH	396			22.1	63.4	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
FE053347.D	1	04/14/25	04/14/25	PB167574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	304	E	0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	78.8	E	1.25	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.9		40 - 140	84%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1785-04	Acq On:	14 Apr 2025 17:33
Client Sample ID:	HR-03-041125-E2	Operator:	YP\AJ
Data file:	FE053347.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.775	35193114	225.55	300	ug/ml
Aliphatic C12-C16	6.776	10.227	296262152	1930	200	ug/ml
Aliphatic C16-C21	10.228	13.605	268853796	1860	300	ug/ml
Aliphatic C21-C28	13.606	17.276	41962054	312.34	400	ug/ml
Aliphatic C28-C40	17.277	22.185	139103533	1120	600	ug/ml
Aliphatic EPH	3.133	22.185	781374649	5450		ug/ml
ortho-Terphenyl (SURR)	11.895	11.895	6824219	41.9		ug/ml
1-chlorooctadecane (SURR)	13.340	13.340	3988282	33.22		ug/ml
Aliphatic C9-C28	3.133	17.276	642271116	4330	1200	ug/ml