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-02-041125-E2	SDG No.:	Q1785
Lab Sample ID:	Q1785-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.04 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 11:39	PB167574

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	348		25	31.5	53.4	mg/kg	FE053365.D
Aliphatic C9-C28	Aliphatic C9-C28	1150		25	24.4	107	mg/kg	FE053365.D
Total AliphaticEPH	Total AliphaticEPH	1500			55.9	160	mg/kg	
Total EPH	Total EPH	1500			55.9	160	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
FE053349.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	1170	E	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	294	E	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	61.8		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	66.5		40 - 140	133%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1785-02	Acq On:	14 Apr 2025 18:33
Client Sample ID:	HR-02-041125-E2	Operator:	YP\AJ
Data file:	FE053349.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.775	305469673	1960	300	ug/ml
Aliphatic C12-C16	6.776	10.227	1148219562	7470	200	ug/ml
Aliphatic C16-C21	10.228	13.605	870165554	6030	300	ug/ml
Aliphatic C21-C28	13.606	17.276	129182371	961.554	400	ug/ml
Aliphatic C28-C40	17.277	22.185	513918472	4140	600	ug/ml
Aliphatic EPH	3.133	22.185	2966955632	20600		ug/ml
ortho-Terphenyl (SURR)	11.908	11.908	10827872	66.48		ug/ml
1-chlorooctadecane (SURR)	13.350	13.350	7416705	61.78		ug/ml
Aliphatic C9-C28	3.133	17.276	2453037160	16400	1200	ug/ml