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

Report of Analysis

Client:	PSEG	Date Collected:	01/07/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	01/07/25
Client Sample ID:	HR-01-01072025-E2	SDG No.:	Q1029
Lab Sample ID:	Q1029-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
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
01/08/25 08:06	01/09/25 11:18	PB165974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	45.8		5	9.57	10.6	mg/kg	FE051890.D
Aliphatic C9-C28	Aliphatic C9-C28	137		5	9.14	21.3	mg/kg	FE051890.D
Total AliphaticEPH	Total AliphaticEPH	183			18.7	31.9	mg/kg	
Total EPH	Total EPH	183			18.7	31.9	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
FE051877.D	1	01/08/25	01/08/25	PB165974

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		123	E	1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		46.7	E	1.91	2.13	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		34.2		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1029-04	Acq On:	08 Jan 2025 20:15
Client Sample ID:	HR-01-01072025-E2	Operator:	YP\AJ
Data file:	FE051877.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.428	7.024	16518035	145.03	300	ug/ml
Aliphatic C12-C16	7.025	10.452	97887861	789.837	200	ug/ml
Aliphatic C16-C21	10.453	13.814	93915816	711.365	300	ug/ml
Aliphatic C21-C28	13.815	17.470	11437126	87.311	400	ug/ml
Aliphatic C28-C40	17.471	22.484	71877062	658.548	600	ug/ml
Aliphatic EPH	3.428	22.484	291635900	2390		ug/ml
ortho-Terphenyl (SURR)	12.151	12.151	4955902	34.19		ug/ml
1-chlorooctadecane (SURR)	13.577	13.577	3699920	32.2		ug/ml
Aliphatic C9-C28	3.428	17.470	219758838	1730	1200	ug/ml