

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-02-01072025-E2	SDG No.:	Q1029
Lab Sample ID:	Q1029-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
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
01/08/25 08:06	01/09/25 10:19	PB165974

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	68.1		2	3.89	4.32	mg/kg FE051888.D
Aliphatic C9-C28	Aliphatic C9-C28	21.4		1	1.86	4.32	mg/kg FE051875.D
Total AliphaticEPH	Total AliphaticEPH	89.5			5.75	8.64	mg/kg
Total EPH	Total EPH	89.5			5.75	8.64	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051875.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	21.4		1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	64.6	E	1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.6		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.5		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1029-02	Acq On:	08 Jan 2025 19:16
Client Sample ID:	HR-02-01072025-E2	Operator:	YP\AJ
Data file:	FE051875.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.428	7.024	4344494	38.145	300	ug/ml
Aliphatic C12-C16	7.025	10.452	14589560	117.72	200	ug/ml
Aliphatic C16-C21	10.453	13.814	12054972	91.31	300	ug/ml
Aliphatic C21-C28	13.815	17.470	6583008	50.255	400	ug/ml
Aliphatic C28-C40	17.471	22.484	98040508	898.262	600	ug/ml
Aliphatic EPH	3.428	22.484	135612542	1200		ug/ml
ortho-Terphenyl (SURR)	12.146	12.146	3982783	27.48		ug/ml
1-chlorooctadecane (SURR)	13.573	13.573	3175990	27.64		ug/ml
Aliphatic C9-C28	3.428	17.470	37572034	297.43	1200	ug/ml