

Report of Analysis

Client:	PSEG	Date Collected:	11/04/24
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	11/04/24
Client Sample ID:	HR-02-110424	SDG No.:	P4709
Lab Sample ID:	P4709-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/06/24 08:32	11/06/24 13:46	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	28.5		1	2.05	2.28	mg/kg FF014928.D
Aliphatic C9-C28	Aliphatic C9-C28	30.0		1	1.96	4.56	mg/kg FF014928.D
Total AliphaticEPH	Total AliphaticEPH	58.5			4.01	6.84	mg/kg
Total EPH	Total EPH	58.5			4.01	6.84	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
FF014928.D	1	11/06/24	11/06/24	PB164709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	30.0		1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.5		2.05	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.6		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4709-01	Acq On:	06 Nov 2024 13:46
Client Sample ID:	HR-02-110424	Operator:	YP\AJ
Data file:	FF014928.D	Misc:	
Instrument:	FID_F	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.833	3207654	25.447	300	ug/ml
Aliphatic C12-C16	6.834	10.264	17752850	137.127	200	ug/ml
Aliphatic C16-C21	10.265	13.628	24372392	183.169	300	ug/ml
Aliphatic C21-C28	13.629	17.288	6281488	50.102	400	ug/ml
Aliphatic C28-C40	17.289	22.181	40220881	375.134	600	ug/ml
Aliphatic EPH	3.223	22.181	91835265	770.98		ug/ml
ortho-Terphenyl (SURR)	11.926	11.926	4969039	32.59		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	3550221	29.55		ug/ml
Aliphatic C9-C28	3.223	17.288	51614384	395.845	1200	ug/ml