

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-03-110424-E2	SDG No.:	P4709
Lab Sample ID:	P4709-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
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
11/06/24 08:32	11/06/24 13:45	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	43.6		1	1.98	2.20	mg/kg FC067635.D
Aliphatic C9-C28	Aliphatic C9-C28	15.5		1	1.89	4.39	mg/kg FC067635.D
Total AliphaticEPH	Total AliphaticEPH	59.1			3.87	6.59	mg/kg
Total EPH	Total EPH	59.1			3.87	6.59	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
FC067635.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	15.5		1.89	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	43.6		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.1		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.6		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4709-04	Acq On:	06 Nov 2024 13:45
Client Sample ID:	HR-03-110424-E2	Operator:	YP/AJ
Data file:	FC067635.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	2418837	17.855	300	ug/ml
Aliphatic C12-C16	6.451	9.839	7348772	55.807	200	ug/ml
Aliphatic C16-C21	9.840	13.197	11388836	89.51	300	ug/ml
Aliphatic C21-C28	13.198	16.850	5841225	48.64	400	ug/ml
Aliphatic C28-C40	16.851	21.690	60140937	594.906	600	ug/ml
Aliphatic EPH	3.171	21.690	87138607	806.719		ug/ml
ortho-Terphenyl (SURR)	11.494	11.494	7272581	49.56		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	5301920	49.1		ug/ml
Aliphatic C9-C28	3.171	16.850	26997670	211.812	1200	ug/ml