

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-E2	SDG No.:	P4709
Lab Sample ID:	P4709-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
Sample Wt/Vol:	30.01 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 13:09	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.9		1	2.08	2.31	mg/kg	FC067634.D
Aliphatic C9-C28	Aliphatic C9-C28	3.82	J	1	1.99	4.63	mg/kg	FC067634.D
Total AliphaticEPH	Total AliphaticEPH	29.7			4.07	6.94	mg/kg	
Total EPH	Total EPH	29.7			4.07	6.94	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
FC067634.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	3.82	J	1.99	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.9		2.08	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.8		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4709-02	Acq On:	06 Nov 2024 13:09
Client Sample ID:	HR-02-110424-E2	Operator:	YP/AJ
Data file:	FC067634.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	1978739	14.607	300	ug/ml
Aliphatic C12-C16	6.451	9.839	828045	6.288	200	ug/ml
Aliphatic C16-C21	9.840	13.197	585504	4.602	300	ug/ml
Aliphatic C21-C28	13.198	16.850	2882809	24.005	400	ug/ml
Aliphatic C28-C40	16.851	21.690	34001432	336.337	600	ug/ml
Aliphatic EPH	3.171	21.690	40276529	385.839		ug/ml
ortho-Terphenyl (SURR)	11.492	11.492	4319561	29.44		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	3213879	29.76		ug/ml
Aliphatic C9-C28	3.171	16.850	6275097	49.502	1200	ug/ml