

Report of Analysis

Client:	PSEG	Date Collected:	12/16/24
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	12/16/24
Client Sample ID:	HR-04-121624-E2	SDG No.:	P5301
Lab Sample ID:	P5301-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/17/24 08:20	12/18/24 9:20	PB165681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	80.1		5	10.3	11.5	mg/kg FC068039.D
Aliphatic C9-C28	Aliphatic C9-C28	77.8		1	1.97	4.59	mg/kg FC068025.D
Total AliphaticEPH	Total AliphaticEPH	158			12.3	16.1	mg/kg
Total EPH	Total EPH	158			12.3	16.1	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
FC068025.D	1	12/17/24	12/17/24	PB165681

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	77.8		1.97	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	77.2	E	2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5301-04	Acq On:	17 Dec 2024 20:34
Client Sample ID:	HR-04-121624-E2	Operator:	YP/AJ
Data file:	FC068025.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.425	4702599	29.706	300	ug/ml
Aliphatic C12-C16	6.426	9.816	61522413	383.855	200	ug/ml
Aliphatic C16-C21	9.817	13.174	72899739	478.462	300	ug/ml
Aliphatic C21-C28	13.175	16.828	17035071	124.905	400	ug/ml
Aliphatic C28-C40	16.829	21.659	107053897	1010	600	ug/ml
Aliphatic EPH	3.148	21.659	263213719	2030		ug/ml
ortho-Terphenyl (SURR)	11.452	11.452	5639497	32.61		ug/ml
1-chlorooctadecane (SURR)	12.893	12.893	3872968	30.35		ug/ml
Aliphatic C9-C28	3.148	16.828	156159822	1020	1200	ug/ml