

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	SDG No.:	P5301
Lab Sample ID:	P5301-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.08 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	12/17/24 18:11	PB165681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	36.1		1	2.01	2.23	mg/kg FC068021.D
Aliphatic C9-C28	Aliphatic C9-C28	29.5		1	1.92	4.47	mg/kg FC068021.D
Total AliphaticEPH	Total AliphaticEPH	65.6			3.93	6.70	mg/kg
Total EPH	Total EPH	65.6			3.93	6.70	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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Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068021.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	29.5		1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.1		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.6		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.8		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5301-03	Acq On:	17 Dec 2024 18:11
Client Sample ID:	HR-04-121624	Operator:	YP/AJ
Data file:	FC068021.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.425	2310418	14.595	300	ug/ml
Aliphatic C12-C16	6.426	9.816	21149383	131.957	200	ug/ml
Aliphatic C16-C21	9.817	13.174	26636660	174.824	300	ug/ml
Aliphatic C21-C28	13.175	16.828	10342930	75.837	400	ug/ml
Aliphatic C28-C40	16.829	21.659	51467246	485.702	600	ug/ml
Aliphatic EPH	3.148	21.659	111906637	882.915		ug/ml
ortho-Terphenyl (SURR)	11.454	11.454	6357909	36.77		ug/ml
1-chlorooctadecane (SURR)	12.894	12.894	5819349	45.61		ug/ml
Aliphatic C9-C28	3.148	16.828	60439391	397.213	1200	ug/ml