

Report of Analysis

Client:	PSEG	Date Collected:	10/30/24
Project:	Orange Gas	Date Received:	10/30/24
Client Sample ID:	EO-02-103024	SDG No.:	P4639
Lab Sample ID:	P4639-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/31/24 07:55	11/01/24 11:25	PB164554

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	69.2		2	3.98	4.42	mg/kg FF014899.D
Aliphatic C9-C28	Aliphatic C9-C28	82.1		1	1.90	4.41	mg/kg FF014890.D
Total AliphaticEPH	Total AliphaticEPH	151			5.88	8.83	mg/kg
Total EPH	Total EPH	151			5.88	8.83	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
FF014890.D	1	10/31/24	10/31/24	PB164554

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	82.1		1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	70.9	E	1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	193		40 - 140	385%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4639-03	Acq On:	31 Oct 2024 23:13
Client Sample ID:	EO-02-103024	Operator:	YP\AJ
Data file:	FF014890.D	Misc:	
Instrument:	FID_F	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.224	6.833	9639372	75.581	300	ug/ml
Aliphatic C12-C16	6.834	10.264	42833804	324.832	200	ug/ml
Aliphatic C16-C21	10.265	13.627	68180028	495.466	300	ug/ml
Aliphatic C21-C28	13.628	17.287	30293992	218.468	400	ug/ml
Aliphatic C28-C40	17.288	22.176	108746397	963.235	600	ug/ml
Aliphatic EPH	3.224	22.176	259693593	2080		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	4777645	31.33		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	23144301	192.65		ug/ml
Aliphatic C9-C28	3.224	17.287	150947196	1110	1200	ug/ml