

Report of Analysis

Client:	PSEG	Date Collected:	12/09/24
Project:	Aubudon Gas District	Date Received:	12/09/24
Client Sample ID:	GAS-AUD-1610-1611-1612	SDG No.:	P5220
Lab Sample ID:	P5220-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
12/12/24 08:40	12/12/24 18:05	PB165607

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	227		1	5.82	30.3	ug/l	FC068000.D
Aliphatic C12-C16	Aliphatic C12-C16	763		5	18.2	101	ug/l	FC068006.D
Aliphatic C16-C21	Aliphatic C16-C21	870		5	26.0	151	ug/l	FC068006.D
Aliphatic C21-C28	Aliphatic C21-C28	152		1	9.06	40.4	ug/l	FC068000.D
Aliphatic C28-C40	Aliphatic C28-C40	91.1		1	17.2	60.6	ug/l	FC068000.D
Aromatic C10-C12	Aromatic C10-C12	208		1	3.35	20.2	ug/l	FD048889.D
Aromatic C12-C16	Aromatic C12-C16	461		1	3.73	30.3	ug/l	FD048889.D
Aromatic C16-C21	Aromatic C16-C21	812		1	12.8	50.5	ug/l	FD048889.D
Aromatic C21-C36	Aromatic C21-C36	1610		1	25.5	80.8	ug/l	FD048889.D
Total AliphaticEPH	Total AliphaticEPH	2100			76.3	383	ug/l	
Total AromaticEPH	Total AromaticEPH	3090			45.4	182	ug/l	
Total EPH	Total EPH	5190			122	565	ug/l	

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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068000.D	1	12/12/24	12/12/24	PB165607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	227		5.82	30.3	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	769	E	3.65	20.2	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	868	E	5.19	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	152		9.06	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	91.1		17.2	60.6	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.0		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5220-03	Acq On:	12 Dec 2024 18:05
Client Sample ID:	GAS-AUD-1610-1611-1612	Operator:	YP/AJ
Data file:	FC068000.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.427	17808826	112.499	300	ug/ml
Aliphatic C12-C16	6.428	9.819	61014421	380.685	200	ug/ml
Aliphatic C16-C21	9.820	13.178	65522867	430.046	300	ug/ml
Aliphatic C21-C28	13.179	16.832	10302314	75.539	400	ug/ml
Aliphatic C28-C40	16.833	21.664	4778108	45.092	600	ug/ml
Aliphatic EPH	3.151	21.664	159426536	1040		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.911	12.911	7917412	62.05		ug/ml
Aliphatic C9-C28	3.151	16.832	154648428	998.769	1200	ug/ml