

Report of Analysis

Client:	PSEG	Date Collected:	02/04/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	02/04/25
Client Sample ID:	HR-01-020425-E2	SDG No.:	Q1288
Lab Sample ID:	Q1288-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/05/25 10:10	02/06/25 10:59	PB166565

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	50.9		2	3.93	4.37	mg/kg FE052259.D
Aliphatic C9-C28	Aliphatic C9-C28	19.4		1	1.88	4.37	mg/kg FE052247.D
Total AliphaticEPH	Total AliphaticEPH	70.3			5.81	8.74	mg/kg
Total EPH	Total EPH	70.3			5.81	8.74	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052247.D	1	02/05/25	02/05/25	PB166565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	19.4		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	56.2	E	1.97	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.4		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1288-03	Acq On:	05 Feb 2025 19:24
Client Sample ID:	HR-01-020425-E2	Operator:	YP\AJ
Data file:	FE052247.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.648	22.673	100230871	1040		ug/ml
ortho-Terphenyl (SURRE)	12.313	12.313	5120021	41.37		ug/ml
1-chlorooctadecane (SURRE)	13.723	13.723	4323181	43.81		ug/ml
Aliphatic C9-C12	3.648	7.209	1444081	15.014	300	ug/ml
Aliphatic C12-C16	7.210	10.614	4343098	41.476	200	ug/ml
Aliphatic C16-C21	10.615	13.961	11563893	102.315	300	ug/ml
Aliphatic C21-C28	13.962	17.604	12248745	107.446	400	ug/ml
Aliphatic C28-C40	17.605	22.673	70631054	771.473	600	ug/ml
Aliphatic C9-C28	3.648	17.604	29599817	266.251	1200	ug/ml