

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-04-020425-E2	SDG No.:	Q1288
Lab Sample ID:	Q1288-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
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
02/05/25 10:10	02/06/25 12:00	PB166565

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	65.6		5	9.71	10.8	mg/kg FE052261.D
Aliphatic C9-C28	Aliphatic C9-C28	224		5	9.28	21.6	mg/kg FE052261.D
Total AliphaticEPH	Total AliphaticEPH	289			19.0	32.4	mg/kg
Total EPH	Total EPH	289			19.0	32.4	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
FE052249.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	196	E	1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	61.4	E	1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.7		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.5		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1288-06	Acq On:	05 Feb 2025 20:25
Client Sample ID:	HR-04-020425-E2	Operator:	YP\AJ
Data file:	FE052249.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.648	22.673	370866413	3570		ug/ml
ortho-Terphenyl (SURR)	12.322	12.322	3408430	27.54		ug/ml
1-chlorooctadecane (SURR)	13.730	13.730	2736232	27.73		ug/ml
Aliphatic C9-C12	3.648	7.209	24668607	256.472	300	ug/ml
Aliphatic C12-C16	7.210	10.614	132371261	1260	200	ug/ml
Aliphatic C16-C21	10.615	13.961	118436784	1050	300	ug/ml
Aliphatic C21-C28	13.962	17.604	17168290	150.601	400	ug/ml
Aliphatic C28-C40	17.605	22.673	78221471	854.379	600	ug/ml
Aliphatic C9-C28	3.648	17.604	292644942	2720	1200	ug/ml