284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	04/11/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	04/11/25
Client Sample ID:	HR-02-041125	SDG No.:	Q1785
Lab Sample ID:	Q1785-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/14/25 08:38	04/15/25 12:10	PB167574

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	308		10	12.6	21.4	mg/kg	FE053366.D
Aliphatic C9-C28	Aliphatic C9-C28	758		10	9.75	42.8	mg/kg	FE053366.D
Total AliphaticEPH	Total AliphaticEPH	1070			22.4	64.2	mg/kg	
Total EPH	Total EPH	1070			22.4	64.2	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053350.D	1	04/14/25	04/14/25	PB167574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	686	E	0.98	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	282	E	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.5		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.7		40 - 140	113%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1785-01	Acq On:	14 Apr 2025 19:03
Client Sample ID:	HR-02-041125	Operator:	YP\AJ
Data file:	FE053350.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.775	176625602	1130	300	ug/ml
Aliphatic C12-C16	6.776	10.227	696679326	4530	200	ug/ml
Aliphatic C16-C21	10.228	13.605	499011583	3460	300	ug/ml
Aliphatic C21-C28	13.606	17.276	68209585	507.71	400	ug/ml
Aliphatic C28-C40	17.277	22.185	491797152	3960	600	ug/ml
Aliphatic EPH	3.133	22.185	1932323248	13600		ug/ml
ortho-Terphenyl (SURR)	11.904	11.904	9238419	56.72		ug/ml
1-chlorooctadecane (SURR)	13.348	13.348	6540920	54.49		ug/ml
Aliphatic C9-C28	3.133	17.276	1440526096	9630	1200	ug/ml