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

Report of Analysis

Client:	PSEG			Date Collected:	04/28/25
Project:	GW South OP Pole			Date Received:	04/28/25
Client Sample ID:	WC-7			SDG No.:	Q1906
Lab Sample ID:	Q1906-13			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	84.5
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
04/29/25 09:05	04/29/25 19:14	PB167778

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.00		1	1.39	2.36	mg/kg	FE053577.D
Aliphatic C9-C28	Aliphatic C9-C28	1.62	J	1	1.07	4.72	mg/kg	FE053577.D
Total AliphaticEPH	Total AliphaticEPH	6.62	J		2.46	7.08	mg/kg	
Total EPH	Total EPH	6.62	J		2.46	7.08	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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Lab Sample ID:	Q1906-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.5	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053577.D	1	04/29/25	04/29/25	PB167778

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.62	J	1.07	4.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		5.00		1.39	2.36	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.1		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		30.8		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1906-13	Acq On:	29 Apr 2025 19:14
Client Sample ID:	WC-7	Operator:	YP\AJ
Data file:	FE053577.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.116	6.759	559097	4.035	300	ug/ml
Aliphatic C12-C16	6.760	10.208	784295	5.531	200	ug/ml
Aliphatic C16-C21	10.209	13.583	422704	2.908	300	ug/ml
Aliphatic C21-C28	13.584	17.253	1160649	8.164	400	ug/ml
Aliphatic C28-C40	17.254	22.144	8207253	63.598	600	ug/ml
Aliphatic EPH	3.116	22.144	11133998	84.235		ug/ml
ortho-Terphenyl (SURR)	11.869	11.869	5550748	30.78		ug/ml
1-chlorooctadecane (SURR)	13.314	13.314	4477580	33.12		ug/ml
Aliphatic C9-C28	3.116	17.253	2926745	20.638	1200	ug/ml