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-5			SDG No.:	Q1906
Lab Sample ID:	Q1906-05			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	83.5
Sample Wt/Vol:	30.01	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 18:26	PB167778

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.50		1	1.41	2.39	mg/kg	FC068724.D
Aliphatic C9-C28	Aliphatic C9-C28	2.96	J	1	1.09	4.80	mg/kg	FC068724.D
Total AliphaticEPH	Total AliphaticEPH	6.46	J		2.50	7.19	mg/kg	
Total EPH	Total EPH	6.46	J		2.50	7.19	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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Project:	GW South OP Pole		Date Received:	04/28/25	
Client Sample ID:	WC-5		SDG No.:	Q1906	
Lab Sample ID:	Q1906-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83.5	
Sample Wt/Vol:	30.01	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
FC068724.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		2.96	J	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.50		1.41	2.39	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		24.7		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		23.7		40 - 140	47%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1906-05	Acq On:	29 Apr 2025 18:26
Client Sample ID:	WC-5	Operator:	YP/AJ
Data file:	FC068724.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.648	262412	2.492	300	ug/ml
Aliphatic C12-C16	6.649	10.049	673153	6.579	200	ug/ml
Aliphatic C16-C21	10.050	13.418	1050964	10.636	300	ug/ml
Aliphatic C21-C28	13.419	17.084	1642842	17.443	400	ug/ml
Aliphatic C28-C40	17.085	22.089	3938522	43.818	600	ug/ml
Aliphatic EPH	3.346	22.089	7567893	80.968		ug/ml
ortho-Terphenyl (SURR)	11.718	11.718	3017688	23.7		ug/ml
1-chlorooctadecane (SURR)	13.151	13.151	2291859	24.67		ug/ml
Aliphatic C9-C28	3.346	17.084	3629371	37.15	1200	ug/ml