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-EPH	SDG No.:	Q1906
Lab Sample ID:	Q1906-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.06 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 19:44	PB167778

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.68		1	1.35	2.29	mg/kg	FE053578.D
Aliphatic C9-C28	Aliphatic C9-C28	4.59	U	1	1.04	4.59	mg/kg	FE053578.D
Total AliphaticEPH	Total AliphaticEPH	3.68	J		2.39	6.88	mg/kg	
Total EPH	Total EPH	3.68	J		2.39	6.88	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
FE053578.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		0.000	U	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.68		1.35	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		29.6		40 - 140	59%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1906-14	Acq On:	29 Apr 2025 19:44
Client Sample ID:	WC-7-EPH	Operator:	YP\AJ
Data file:	FE053578.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.116	6.759	432624	3.122	300	ug/ml
Aliphatic C12-C16	6.760	10.208	784524	5.532	200	ug/ml
Aliphatic C16-C21	10.209	13.583	391812	2.695	300	ug/ml
Aliphatic C21-C28	13.584	17.253	833914	5.865	400	ug/ml
Aliphatic C28-C40	17.254	22.144	6217679	48.181	600	ug/ml
Aliphatic EPH	3.116	22.144	8660553	65.396		ug/ml
ortho-Terphenyl (SURR)	11.869	11.869	5331682	29.56		ug/ml
1-chlorooctadecane (SURR)	13.314	13.314	4407525	32.61		ug/ml
Aliphatic C9-C28	3.116	17.253	2442874	17.214	1200	ug/ml