

Report of Analysis

Client:	PSEG	Date Collected:	11/05/24
Project:	Robotic Intero Inline Inspection	Date Received:	11/05/24
Client Sample ID:	BAYAVE-STOCKPILE	SDG No.:	P4719
Lab Sample ID:	P4719-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/06/24 08:32	11/06/24 16:15	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	32.8		1	1.85	2.05	mg/kg	FC067639.D
Aliphatic C9-C28	Aliphatic C9-C28	6.30		1	1.76	4.11	mg/kg	FC067639.D
Total AliphaticEPH	Total AliphaticEPH	39.1			3.61	6.16	mg/kg	
Total EPH	Total EPH	39.1			3.61	6.16	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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Analytical Method:	NJEPH	% Solid:	97.4
Sample Wt/Vol:	30.04 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
FC067639.D	1	11/06/24	11/06/24	PB164709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.30		1.76	4.11	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.8		1.85	2.05	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.6		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.6		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4719-01	Acq On:	06 Nov 2024 16:15
Client Sample ID:	BAYAVE-STOCKPILE	Operator:	YP/AJ
Data file:	FC067639.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	2678929	19.775	300	ug/ml
Aliphatic C12-C16	6.451	9.839	831521	6.315	200	ug/ml
Aliphatic C16-C21	9.840	13.197	1578159	12.403	300	ug/ml
Aliphatic C21-C28	13.198	16.850	6443547	53.656	400	ug/ml
Aliphatic C28-C40	16.851	21.690	48446494	479.226	600	ug/ml
Aliphatic EPH	3.171	21.690	59978650	571.375		ug/ml
ortho-Terphenyl (SURR)	11.494	11.494	7280829	49.62		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	5461809	50.58		ug/ml
Aliphatic C9-C28	3.171	16.850	11532156	92.149	1200	ug/ml