

Report of Analysis

Client:	ENTACT	Date Collected:	10/28/24
Project:	North Point	Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-5	SDG No.:	P4599
Lab Sample ID:	P4599-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
10/30/24 08:20	10/31/24 18:34	PB164525

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	234		10	4.51	11.9	mg/kg FE050950.D
Aliphatic C12-C16	Aliphatic C12-C16	843		100	28.5	79.1	mg/kg FE050962.D
Aliphatic C16-C21	Aliphatic C16-C21	504		100	35.6	118	mg/kg FE050962.D
Aliphatic C21-C28	Aliphatic C21-C28	29.5		1	0.95	1.58	mg/kg FE050926.D
Aliphatic C28-C40	Aliphatic C28-C40	5.92		1	2.14	2.37	mg/kg FE050926.D
Aromatic C10-C12	Aromatic C10-C12	85.4		25	8.90	19.8	mg/kg FG014609.D
Aromatic C12-C16	Aromatic C12-C16	563		25	10.1	29.7	mg/kg FG014609.D
Aromatic C16-C21	Aromatic C16-C21	903		25	28.5	49.4	mg/kg FG014609.D
Aromatic C21-C36	Aromatic C21-C36	39.4		1	2.37	3.16	mg/kg FG014581.D
Total AliphaticEPH	Total AliphaticEPH	1620			71.7	213	mg/kg
Total AromaticEPH	Total AromaticEPH	1590			49.9	102	mg/kg
Total EPH	Total EPH	3210			122	315	mg/kg

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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Prep Method :		Test:	EPH

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050926.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	192	E	0.45	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	706	E	0.28	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	427	E	0.36	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	29.5		0.95	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.92		2.14	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.5		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4599-05	Acq On:	31 Oct 2024 05:59
Client Sample ID:	EX-1-TPH-5	Operator:	YP\AJ
Data file:	FE050926.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	348447980	2440	300	ug/ml
Aliphatic C12-C16	6.763	10.194	1295994150	8930	200	ug/ml
Aliphatic C16-C21	10.195	13.554	780170575	5400	300	ug/ml
Aliphatic C21-C28	13.555	17.208	53095423	373.504	400	ug/ml
Aliphatic C28-C40	17.209	22.057	10354205	74.866	600	ug/ml
Aliphatic EPH	3.144	22.057	2488062333	17200		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.295	13.295	3487090	29.48		ug/ml
Aliphatic C9-C28	3.144	17.208	2477708128	17100	1200	ug/ml