

Report of Analysis

Client:	Ronald Adams	Date Collected:	09/10/25
Project:	19 Ashlynn Court	Date Received:	10/06/25
Client Sample ID:	SOIL	SDG No.:	Q3301
Lab Sample ID:	Q3301-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
Sample Wt/Vol:	30.09 g	Test:	EPH
Prep Method :		Final Vol:	2000uL
		Prep Date :	10/07/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS											
Aliphatic C9-C12	Aliphatic C9-C12	305		20	3.45	12.3	24.6	mg/kg	FC069967.D	10/08/25 15:08	PB170011
Aliphatic C12-C16	Aliphatic C12-C16	965		100	13.5	41.0	82.1	mg/kg	FC069968.D	10/08/25 15:51	PB170011
Aliphatic C16-C21	Aliphatic C16-C21	1010		100	16.0	61.5	123	mg/kg	FC069968.D	10/08/25 15:51	PB170011
Aliphatic C21-C28	Aliphatic C21-C28	175		20	13.0	16.4	32.8	mg/kg	FC069967.D	10/08/25 15:08	PB170011
Aromatic C10-C12	Aromatic C10-C12	47.7		5	0.74	2.05	4.10	mg/kg	FD049836.D	10/08/25 14:25	PB170011
Aromatic C12-C16	Aromatic C12-C16	290		25	7.08	15.4	30.8	mg/kg	FD049837.D	10/08/25 15:08	PB170011
Aromatic C16-C21	Aromatic C16-C21	562		25	12.3	25.6	51.3	mg/kg	FD049837.D	10/08/25 15:08	PB170011
Aromatic C21-C36	Aromatic C21-C36	75.7		5	7.32	8.20	16.4	mg/kg	FD049836.D	10/08/25 14:25	PB170011
Total AliphaticEPH	Total AliphaticEPH	2490			47.4	132	265	mg/kg			
Total AromaticEPH	Total AromaticEPH	975			27.4	51.3	103	mg/kg			
Total EPH	Total EPH	3460			74.8	184	368	mg/kg			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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Sample Wt/Vol:	30.09 g	Test:	EPH
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		Prep Date :	10/07/25

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Aliphatic C16-C21	Aliphatic C16-C21	1010		100	16.0	61.5	123	mg/kg	FC069968.	10/08/25 15:51	PB170011
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Aromatic C12-C16	Aromatic C12-C16	290		25	7.08	15.4	30.8	mg/kg	FD049837	10/08/25 15:08	PB170011
Aromatic C16-C21	Aromatic C16-C21	562		25	12.3	25.6	51.3	mg/kg	FD049837	10/08/25 15:08	PB170011
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Analytical Method:	NJEPH	% Solid:	81
Sample Wt/Vol:	30.09 g	Test:	EPH
Prep Method :	Final Vol: 2000uL Prep Date : 10/07/25		

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TARGETS											
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Aliphatic C12-C16	Aliphatic C12-C16	965		100	13.5	41.0	82.1	mg/kg	FC06996	10/08/25 15:51	PB170011
Aliphatic C16-C21	Aliphatic C16-C21	1010		100	16.0	61.5	123	mg/kg	FC06996	10/08/25 15:51	PB170011
Aliphatic C21-C28	Aliphatic C21-C28	175		20	13.0	16.4	32.8	mg/kg	FC06996	10/08/25 15:08	PB170011
Aromatic C10-C12	Aromatic C10-C12	47.7		5	0.74	2.05	4.10	mg/kg	FD04983	10/08/25 14:25	PB170011
Aromatic C12-C16	Aromatic C12-C16	290		25	7.08	15.4	30.8	mg/kg	FD04983	10/08/25 15:08	PB170011
Aromatic C16-C21	Aromatic C16-C21	562		25	12.3	25.6	51.3	mg/kg	FD04983	10/08/25 15:08	PB170011
Aromatic C21-C36	Aromatic C21-C36	75.7		5	7.32	8.20	16.4	mg/kg	FD04983	10/08/25 14:25	PB170011
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Lab Sample ID:	Q3301-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
Sample Wt/Vol:	30.09 g	Test:	EPH
Prep Method :		Final Vol:	2000uL
		Prep Date :	10/07/25

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TARGETS											
Aliphatic C9-C12	Aliphatic C9-C12	305		20	3.45	12.3	24.6	mg/kg	FC06996	10/08/25 15:08	PB170011
Aliphatic C12-C16	Aliphatic C12-C16	965		100	13.5	41.0	82.1	mg/kg	FC06996	10/08/25 15:51	PB170011
Aliphatic C16-C21	Aliphatic C16-C21	1010		100	16.0	61.5	123	mg/kg	FC06996	10/08/25 15:51	PB170011
Aliphatic C21-C28	Aliphatic C21-C28	175		20	13.0	16.4	32.8	mg/kg	FC06996	10/08/25 15:08	PB170011
Aromatic C10-C12	Aromatic C10-C12	47.7		5	0.74	2.05	4.10	mg/kg	FD04983	10/08/25 14:25	PB170011
Aromatic C12-C16	Aromatic C12-C16	290		25	7.08	15.4	30.8	mg/kg	FD04983	10/08/25 15:08	PB170011
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Lab Sample ID:	Q3301-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/07/25 11:25	10/08/25 15:08	PB170011

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	305		20	3.45	12.3	24.6	mg/kg	FC069967.D
Aliphatic C12-C16	Aliphatic C12-C16	965		100	13.5	41.0	82.1	mg/kg	FC069968.D
Aliphatic C16-C21	Aliphatic C16-C21	1010		100	16.0	61.5	123	mg/kg	FC069968.D
Aliphatic C21-C28	Aliphatic C21-C28	175		20	13.0	16.4	32.8	mg/kg	FC069967.D
Aromatic C10-C12	Aromatic C10-C12	47.7		5	0.74	2.05	4.10	mg/kg	FD049836.D
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Sample Wt/Vol:	30.09 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/07/25
		Test:	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	272	E	1	0.17	0.62	1.23	mg/kg	10/08/25	PB170011
Aliphatic C12-C16	Aliphatic C12-C16	1020	E	1	0.14	0.41	0.82	mg/kg	10/08/25	PB170011
Aliphatic C16-C21	Aliphatic C16-C21	997	E	1	0.16	0.99	1.23	mg/kg	10/08/25	PB170011
Aliphatic C21-C28	Aliphatic C21-C28	175	E	1	0.65	1.31	1.64	mg/kg	10/08/25	PB170011
Aliphatic C28-C40	Aliphatic C28-C40	32.2		1	1.45	1.97	2.46	mg/kg	10/08/25	PB170011
SURROGATES										
3383-33-2	1-chlorooctadecane (SURR)	95.3			40 - 140		191%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	51.4			40 - 140		103%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3301-01	Acq On:	08 Oct 2025 12:16
Client Sample ID:	SOIL	Operator:	YP/AJ
Data file:	FC069963.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.284	6.578	479959359	3310	300	ug/ml
Aliphatic C12-C16	6.579	9.979	2034861834	12400	200	ug/ml
Aliphatic C16-C21	9.980	13.346	1967950096	12200	300	ug/ml
Aliphatic C21-C28	13.347	17.010	314354307	2140	400	ug/ml
Aliphatic C28-C40	17.011	21.966	42170715	391.922	600	ug/ml
Aliphatic EPH	3.284	21.966	4839296311	30400		ug/ml
ortho-Terphenyl (SURR)	11.649	11.649	9032156	51.43		ug/ml
1-chlorooctadecane (SURR)	13.104	13.104	12937624	95.31		ug/ml
Aliphatic C9-C28	3.284	17.010	4797125596	30000	1200	ug/ml