

Collection Location stockpile		Collector and Phone baker john 712/223-8048	Client Reference	Accession # 2349722
4085 MANTI RD SHENANDOAH, IA 51601		Collected 2023-10-10 13:50	Received 2023-10-12 09:30	Project wmsf
Report To IDNR-FO 4 1401 SUNNYSIDE LANE ATLANTIC, IA 50022-				Sample Description soil
				Sample Type Solid
				Sample Source
				Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

<u>TEST</u>	<u>RESULT (mg/kg [dry wt])</u>	<u>QUANT LIMIT</u>	<u>MCL</u>	<u>ANALYSIS NOTE(S)</u>
<i>Anions, EPA 300.0</i>				2
Nitrate nitrogen as N	330	5		
Nitrite nitrogen as N	<1.5	1.5		

<u>TEST</u>	<u>RESULT (mg/kg)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
<i>GCMS Pesticides, EPA 8270</i>			
EPTC	0.24	0.20	
Butylate	<0.20	0.20	
Propachlor	<0.20	0.20	
Desisopropyl atrazine	<0.20	0.20	
Trifluralin	1.7	0.20	
Desethyl atrazine	<0.20	0.20	
Prometon	<0.20	0.20	
Simazine	<0.20	0.20	
Atrazine	4.5	0.20	
Propazine	<0.20	0.20	
Dimethenamid	1.1	0.20	
Metribuzin	0.27	0.20	
Acetochlor	2.6	0.20	
Alachlor	<0.20	0.20	
Ametryn	<0.20	0.20	
Metolachlor	28	0.20	
Cyanazine	<0.20	0.20	
Butachlor	<0.20	0.20	

SAMPLE AND ANALYSIS NOTES

1. Unless otherwise noted, the sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.
2. The MCL (maximum contaminant level) is only applicable to compliance monitoring samples under the Safe Drinking Water Act (SDWA).

ANALYSIS INFORMATION

<u>TEST</u>	<u>ANALYZED</u>	<u>SITE</u>	<u>RELEASED</u>	<u>ANALYSIS PREP</u>
1. Anions, EPA 300.0	2023-10-26 16:01 MGB	3201	2023-10-30 12:42 JAE	



Collection Location	Collector	Client Reference	Accession #
stockpile	baker john		2349722

TEST

2. GCMS Pesticides, EPA 8270
3. Prep by Sonication, EPA 3550 NP

ANALYZED

2023-10-26 12:26 JDA
2023-10-13 08:00 MES

SITE

3200
3200

RELEASED

2023-11-01 11:50 TGC
2023-10-16 13:20 LWL

ANALYSIS PREP

Test 3

DESCRIPTION OF UNITS

mg/kg [dry wt] = Milligrams per Kilogram by Dry Weight

mg/kg = Milligrams per Kilogram

SITE(S) PERFORMING TESTING

- 3201 STATE HYGIENIC LABORATORY ANKENY, IOWA LABORATORIES COMPLEX, 2220 S ANKENY BLVD, ANKENY, IA 50023; Phone 515/725-1600; Fax 515/725-1642; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #397
- 3200 STATE HYGIENIC LABORATORY CORALVILLE, UNIVERSITY OF IOWA RESEARCH PK, 2490 CROSSPARK RD, CORALVILLE, IA 52241; Phone 319/335-4500; Fax 319/335-4555; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #027

The result(s) of this report relate only to the items analyzed. Where the laboratory has not been responsible for the sampling stage the results apply only to the sample as received. This report shall not be reproduced except in full without the written approval of the laboratory. If you have any questions, please call Client Services at 800/421-IOWA (4692) or 319/335-4500.



Collection Location stockpile 4085 MANTI RD SHENANDOAH, IA 51601	Collector and Phone baker john 712/223-8048	Client Reference	Accession # 2349726	CORRECTED REPORT 1
	Collected 2023-10-10 13:45	Received 2023-10-12 09:30	Project wmsf	
Report To IDNR-FO 4 1401 SUNNYSIDE LANE ATLANTIC, IA 50022-				Sample Description soil
				Sample Type Other
				Sample Source
				Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT (mg/kg [dry wt])	QUANT LIMIT	ANALYSIS NOTE(S)
Ammonia as N, LAC 10-107-06-1J Ammonia nitrogen as N	3400	10	

SAMPLE AND ANALYSIS NOTES

1. Unless otherwise noted, the sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions. Changed the bill to Org 547 from 3052.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. Ammonia as N, LAC 10-107-06-1J	2023-10-18 07:44 MLS	3201	2023-10-18 12:00 JAE	

DESCRIPTION OF UNITS

mg/kg [dry wt] = Milligrams per Kilogram by Dry Weight

SITE(S) PERFORMING TESTING

3201 STATE HYGIENIC LABORATORY ANKENY, IOWA LABORATORIES COMPLEX, 2220 S ANKENY BLVD, ANKENY, IA 50023; Phone 515/725-1600; Fax 515/725-1642; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #397

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Collection Location stockpile		Collector and Phone baker john 712/223-8048	Client Reference	Accession # 2349723
4085 MANTI RD SHENANDOAH, IA 51601		Collected 2023-10-10 13:40	Received 2023-10-12 09:30	Project wmsf
Report To	IDNR-FO 4 1401 SUNNYSIDE LANE ATLANTIC, IA 50022-			Sample Description soil
				Sample Type Solid
				Sample Source
				Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

<u>TEST</u>	<u>RESULT (mg/kg)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
<i>Volatile Petroleum Hydrocarbons, Iowa OA-1</i>			
Methyl-t-butyl ether (MtBE)	<0.002	0.002	
Benzene	<0.002	0.002	
Toluene	<0.002	0.002	
Ethylbenzene	<0.002	0.002	
Total Xylenes	<0.005	0.005	

SAMPLE AND ANALYSIS NOTES

1. Unless otherwise noted, the sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

ANALYSIS INFORMATION

<u>TEST</u>	<u>ANALYZED</u>	<u>SITE</u>	<u>RELEASED</u>	<u>ANALYSIS PREP</u>
1. Volatile Petroleum Hydrocarbons, Iowa OA-1	2023-10-18 10:02 LJL	3200	2023-10-20 08:50 TGC	

DESCRIPTION OF UNITS

mg/kg = Milligrams per Kilogram

SITE(S) PERFORMING TESTING

3200 STATE HYGIENIC LABORATORY CORALVILLE, UNIVERSITY OF IOWA RESEARCH PK, 2490 CROSSPARK RD, CORALVILLE, IA 52241; Phone 319/335-4500; Fax 319/335-4555; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #027

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Collection Location stockpile		Collector and Phone baker john 712/223-8048	Client Reference	Accession # 2349724	CORRECTED REPORT 1
4085 MANTI RD SHENANDOAH, IA 51601		Collected 2023-10-10 13:40	Received 2023-10-12 09:30	Project wmsf	
Report To	IDNR-FO 4 1401 SUNNYSIDE LANE ATLANTIC, IA 50022-			Sample Description soil	
				Sample Type Solid	
				Sample Source	
				Sample Note(s) 1	

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT (mg/kg)	QUANT LIMIT	ANALYSIS NOTE(S)
Total Extractable Hydrocarbons, Iowa OA-2			2
Gasoline	<30.	30.	
Mineral spirits	<30.	30.	
Kerosene	<30.	30.	
Diesel fuel	85	30.	
Motor oil	<30.	30.	
Total Extractable Hydrocarbons	85	30.	

SAMPLE AND ANALYSIS NOTES

1. Unless otherwise noted, the sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions. Unreleased to change bill to from IDNR FSD Field Services to Contaminated Sites.
2. The chromatographic profile of the sample extract did not match this laboratory's fuel or oil standards. Quantitation is based on this laboratory's diesel fuel standard.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. Total Extractable Hydrocarbons, Iowa OA-2	2023-10-18 16:07 JDA	3200	2023-10-19 16:37 TGC	Test 2
2. Prep by Solvent Extraction, Iowa OA-2	2023-10-17 08:00 MES	3200	2023-10-17 16:17 JDA	

DESCRIPTION OF UNITS

mg/kg = Milligrams per Kilogram

SITE(S) PERFORMING TESTING

3200 STATE HYGIENIC LABORATORY CORALVILLE, UNIVERSITY OF IOWA RESEARCH PK, 2490 CROSSPARK RD, CORALVILLE, IA 52241; Phone 319/335-4500; Fax 319/335-4555; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #027

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