



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Paragon Environmental**

*For Lab Project ID*

**183447**

*Referencing*

**18-0164 Golden Corral**

*Prepared*

**Friday, August 3, 2018**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "Deutch", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Friday, August 3, 2018*

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Client: **Paragon Environmental**

Project Reference: 18-0164 Golden Corral

Sample Identifier: Collected Groundwater

Lab Sample ID: 183447-01

Date Sampled: 7/31/2018

Matrix: Groundwater

Date Received: 7/31/2018

**pH**

Analyte	Result	Units	Qualifier	Date Analyzed
pH	7.32 @ 19.6 C	S.U.		8/1/2018 10:12

Method Reference(s): EPA 9040

ELAP does not offer this test for approval as part of their laboratory certification program.

**Total Suspended Solids**

Analyte	Result	Units	Qualifier	Date Analyzed
Solids, Suspended	6.5	mg/L		8/2/2018

Method Reference(s): SM 2540 D

Subcontractor ELAP ID: 11148

**Volatile Organics**

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		8/1/2018 20:53
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		8/1/2018 20:53
1,1,2-Trichloroethane	< 2.00	ug/L		8/1/2018 20:53
1,1-Dichloroethane	< 2.00	ug/L		8/1/2018 20:53
1,1-Dichloroethene	< 2.00	ug/L		8/1/2018 20:53
1,2,3-Trichlorobenzene	< 5.00	ug/L		8/1/2018 20:53
1,2,4-Trichlorobenzene	< 5.00	ug/L		8/1/2018 20:53
1,2,4-Trimethylbenzene	< 2.00	ug/L		8/1/2018 20:53
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		8/1/2018 20:53
1,2-Dibromoethane	< 2.00	ug/L		8/1/2018 20:53
1,2-Dichlorobenzene	< 2.00	ug/L		8/1/2018 20:53
1,2-Dichloroethane	< 2.00	ug/L		8/1/2018 20:53
1,2-Dichloropropane	< 2.00	ug/L		8/1/2018 20:53
1,3,5-Trimethylbenzene	< 2.00	ug/L		8/1/2018 20:53
1,3-Dichlorobenzene	< 2.00	ug/L		8/1/2018 20:53
1,4-Dichlorobenzene	< 2.00	ug/L		8/1/2018 20:53
1,4-Dioxane	< 20.0	ug/L		8/1/2018 20:53
2-Butanone	< 10.0	ug/L		8/1/2018 20:53

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Sample Identifier: Collected Groundwater

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Date Sampled: 7/31/2018

Matrix: Groundwater

Date Received: 7/31/2018

2-Hexanone	< 5.00	ug/L	8/1/2018 20:53
4-Methyl-2-pentanone	< 5.00	ug/L	8/1/2018 20:53
Acetone	< 10.0	ug/L	8/1/2018 20:53
Benzene	< 1.00	ug/L	8/1/2018 20:53
Bromochloromethane	< 5.00	ug/L	8/1/2018 20:53
Bromodichloromethane	< 2.00	ug/L	8/1/2018 20:53
Bromoform	< 5.00	ug/L	8/1/2018 20:53
Bromomethane	< 2.00	ug/L	8/1/2018 20:53
Carbon disulfide	< 2.00	ug/L	8/1/2018 20:53
Carbon Tetrachloride	< 2.00	ug/L	8/1/2018 20:53
Chlorobenzene	< 2.00	ug/L	8/1/2018 20:53
Chloroethane	< 2.00	ug/L	8/1/2018 20:53
Chloroform	< 2.00	ug/L	8/1/2018 20:53
Chloromethane	< 2.00	ug/L	8/1/2018 20:53
cis-1,2-Dichloroethene	< 2.00	ug/L	8/1/2018 20:53
cis-1,3-Dichloropropene	< 2.00	ug/L	8/1/2018 20:53
Cyclohexane	< 10.0	ug/L	8/1/2018 20:53
Dibromochloromethane	< 2.00	ug/L	8/1/2018 20:53
Dichlorodifluoromethane	< 2.00	ug/L	8/1/2018 20:53
Ethylbenzene	< 2.00	ug/L	8/1/2018 20:53
Freon 113	< 2.00	ug/L	8/1/2018 20:53
Isopropylbenzene	< 2.00	ug/L	8/1/2018 20:53
m,p-Xylene	< 2.00	ug/L	8/1/2018 20:53
Methyl acetate	< 2.00	ug/L	8/1/2018 20:53
Methyl tert-butyl Ether	< 2.00	ug/L	8/1/2018 20:53
Methylcyclohexane	< 2.00	ug/L	8/1/2018 20:53
Methylene chloride	< 5.00	ug/L	8/1/2018 20:53
Naphthalene	< 5.00	ug/L	8/1/2018 20:53
n-Butylbenzene	< 2.00	ug/L	8/1/2018 20:53
n-Propylbenzene	< 2.00	ug/L	8/1/2018 20:53
o-Xylene	< 2.00	ug/L	8/1/2018 20:53
p-Isopropyltoluene	< 2.00	ug/L	8/1/2018 20:53

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Date Sampled: 7/31/2018

Matrix: Groundwater

Date Received: 7/31/2018

sec-Butylbenzene	< 2.00	ug/L	8/1/2018 20:53
Styrene	< 5.00	ug/L	8/1/2018 20:53
tert-Butylbenzene	< 2.00	ug/L	8/1/2018 20:53
Tetrachloroethene	< 2.00	ug/L	8/1/2018 20:53
Toluene	< 2.00	ug/L	8/1/2018 20:53
trans-1,2-Dichloroethene	< 2.00	ug/L	8/1/2018 20:53
trans-1,3-Dichloropropene	< 2.00	ug/L	8/1/2018 20:53
Trichloroethene	< 2.00	ug/L	8/1/2018 20:53
Trichlorofluoromethane	< 2.00	ug/L	8/1/2018 20:53
Vinyl chloride	< 2.00	ug/L	8/1/2018 20:53

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	103	80.7 - 121		8/1/2018 20:53
4-Bromofluorobenzene	87.7	74.3 - 121		8/1/2018 20:53
Pentafluorobenzene	95.5	86.2 - 111		8/1/2018 20:53
Toluene-D8	92.9	86.2 - 112		8/1/2018 20:53

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x52873.D

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Report Prepared Friday, August 3, 2018

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## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*

*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

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# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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# CHAIN OF CUSTODY



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

**REPORT TO:**

**INVOICE TO:**

COMPANY: Paragon Environmental Const.  
ADDRESS: 5664 Mud Mill Road  
CITY: Brewerton STATE: NY ZIP: 13029  
PHONE: 315-699-0840 FAX: 315-699-0845

COMPANY: Same  
ADDRESS:  
CITY: STATE: ZIP:

LAB PROJECT #:

CLIENT PROJECT #:

183447

18-0104

TURNAROUND TIME: (WORKING DAYS)

PHONE: 315-699-0840 FAX: 315-699-0845

PHONE: FAX:

ATTN:

Chris Searson

ATTN:

STD

OTHER

1 2 3 5

PROJECT NAME/SITE NAME:  
*Golden Corral*

COMMENTS: *Collected Groundwater*

**REQUESTED ANALYSIS**

Quotation #

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A I N E R	VOL (Full list)	Suspended Solids	pH	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 7/31/18	900		X	Collected groundwater	FW	5	X	X	X		01
2											
3											
4											
5											
6											
7											
8											
9											
10											

**\*\*LAB USE ONLY BELOW THIS LINE\*\***

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter

NELAC Compliance

Container Type:

Y ☐ N ☐

Preservation:

Y ☐ N ☐

Holding Time:

Y ☐ N ☐

Comments: *Temperature: 13°C*

Y ☐ N ☐

Comments: *13°C stored in field 7/31/18 1658*

Sampled By

Date/Time

Total Cost:

Relinquished By

Date/Time

Received By

Date/Time

P.L.F.

Received @ Lab By

Date/Time

1072



## Chain of Custody Supplement

Client: Paragon  
Lab Project ID: 183447

Completed by: Molly Kail  
Date: 7/31/18

### Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>13°C ice started in field</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



# CHAIN OF CUSTODY

11148



REPORT TO:		INVOICE TO:	
COMPANY: Paradigm Environmental	ADDRESS: 179 Lake Avenue	COMPANY: Same	ADDRESS:
CITY: Rochester	STATE: NY	ZIP: 14608	CITY:
PHONE:	FAX:	PHONE:	FAX:
ATTN: Reporting	ATTN: Accounts Payable	Date Due: 8/31/18 by 3pm	
COMMENTS: Please email results to reporting@paradigmenv.com		Date Due: 8/31/18 by 3pm	

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A I N E R	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/31/18	0900			183447-01	6W	1 X		
2								
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE  
Sample Condition: Per NELAP 210.241/242/243/244

Container Type:	Y <input type="checkbox"/> N <input type="checkbox"/>
Preservation:	Y <input type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input type="checkbox"/> N <input type="checkbox"/>
Comments:	Temperature: Temp 3.5°C 8/31/18 MES

Client	Sampled By: M. H. Vail	Date/Time: 8/1/18 1600	Total Cost:
	Relinquished By: M. H. Vail	Date/Time: 8/1/18 1630	
	Received By: M. H. Vail	Date/Time: 8/1/18 1630	
	Received @ Lab By: M. H. Vail	Date/Time: 8/2/18 0025	