

Marathon County Solid Waste Department

2021 ANNUAL REPORT – AREA A

WDNR License No. 4228, 3338, 2892 FID 337005680

Marathon County Solid Waste Management Department 172900 Highway 29 Ringle, WI 54471

Solid Waste & Recycling Information Line: 877-270-3989

www.marathoncountysolidwaste.org



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Marathon County Solid Waste Department

172900 State Highway 29 Ringle, WI 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

March 31, 2022

Ms. Sally Hronek Wisconsin Department of Natural Resources Waste Management Engineer 2984 Shawano Avenue Green Bay, WI 54313-6727

Re: Marathon County Solid Waste - Area A Landfill #2892 FID 737054890

Dear Ms. Hronek:

Please accept this submittal of the 2021 Annual Solid Waste Report for the Area A landfill of Marathon County. This Annual Solid Waste Report is being submitted in accordance with the approved Plan of Operation for Area A.

In accordance with your request, two (2) additional hard copies and emailed PDF copies are being distributed to the WDNR staff as noted below.

Should you have any questions or comments regarding this Annual Solid Waste Report, please do not hesitate to contact me at (715) 445- 3101.

Thank you,

David Hagenbucher

Solid Waste Operations Manager Marathon County Solid Waste Dept 172900 State Highway 29 Ringle, Wisconsin 54471 C: 715-551-5864 O: 715-446-3101x102

CC: C. Lee Daigle, PE – Tetra Tech Senior Project Manager Nathan Coller – WDNR Spooner Service Center (1 hard copy and 1 electronic copy) John Morris – WDNR Eau Claire Service Center (1 hard copy and 1 electronic copy)



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Staff, Consultants & Contractors

Marathon County Solid Waste Department Staff:

Director	Meleesa Johnson
Solid Waste Manager	Dave Hagenbucher
Environmental Resource Specialist	Eric Olson
Solid Waste Scale Master	Allison Birr
EHS & Compliance Specialist	John Peralta
Accounting and Business Specialist	Julie Groshek
Waste Specialist	Justin Brooks
Waste Specialist	Jeffery Woodward
Waste Specialist	Ryan Miller
Waste Specialist	Dustin Ziereis
SW Specialist / Mechanic	Chris Wickman
LTE	Amberlea Kaiser
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Engineering Consultants:

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- Lee Daigle, P.E. Cornerstone Environmental Group, a Tetra Tech company 8413 Excelsior Drive, Suite 160 Madison, WI 53717
- Cynthia Neitzel Geo-Logic Associates 15020 N. Hayden Rd., Ste 205 Scottsdale, AZ 85260

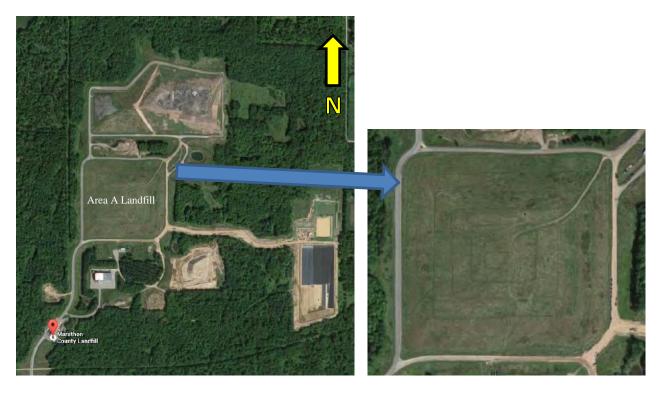
Introduction

This report provides information about site conditions on, work conducted at, and other activities related to, the closed Area A Landfill (Area A). This report is intended to meet the intent and focus of the annual reporting and monitoring requirements, found in all approved documentation for Area A, and the modified monitoring requirements found in the 2013 Plan Modification to the Monitoring Plan (for Groundwater, Lysimeters, and Leachate Collection).

Area A Background

Area A is a 27.3-acre closed landfill and is owned and operated by Marathon County Solid Waste Department (MCSWD). This facility accepted and disposed of waste from December 1980 until December 1993. In 1994 closure was conducted according to approved methods. During active fill operations, a variety of waste materials were accepted, including residential and commercial waste, high-volume industrial wastes, and other miscellaneous materials.

MCSWD and various contracted firms have worked, and will continue to work, collaboratively to ensure post-operation/post-closure activities are conducted in accordance with all required long-term care approvals. This includes, but is not limited to, operation of and maintenance of the following systems: final cover, storm water, landfill gas and condensate, leachate collection, and groundwater monitoring.



Summary of Landfill Activities in 2021

Area A is a closed landfill and, as such, did not accept waste during 2021. However, as is required by the approved permit, general maintenance and management of the post-closure facility were conducted. This included:

- Monthly visual inspections of the final cover surface
- Inspections of storm water management pathways
- Removal of obstructions or repair to storm water pathways
- Mowing pathways for surface emission monitoring work
- General mowing to control for woody herbaceous growth
- Snow plowing of access roads
- Grading and dust management of access roads
- Preventative maintenance on gas system and leachate pumping system

As needed, MCSWD hired various contractors and/or consultants to perform specific tasks beyond the capabilities of the site staff, such as air permit compliance reporting and support, seeding and fertilizing duties, leachate pump maintenance and repairs, and contracted leachate hauling.

The surface area and final cover are in good condition. There is no damage or compromising of the final cover. There are no slumps or subsidence, other than the normal gradual undulations. No leachate seeps exist. Vegetation consists of dense mixed grasses including rye, fescues, and sedges. Some wildflowers, both native and invasive, are evident, but not abundant. The plant growth continues to look acceptable and no bare spots or other problems were noted. Wildlife species such as deer, fox, coyote, rabbits, and many types of birds use the ecosystem of Area A for cover and as a source of food. The cover is inspected regularly for damage caused by wildlife and corrected, if needed.

Landfill Maintenance

Leachate line jetting was conducted in June of 2021. Jetting on this landfill has been challenging due to the fact that much of the existing infrastructure has been impacted by waste settlement, age, and deterioration. PVC was initially used for leachate collection piping at the bottom of Area A; we now use HDPE on all leachate piping. Regardless of the challenges, Northern Pipe out of Green Bay has successfully worked with this site to meet all the necessary requirements to keep these lines open and functioning as intended.



Leachate line jetting truck

In addition to the jetting work, some grading work was conducted on the top portion of the cell. Due to settlement, a few areas began to collect water during heavy precipitation events. A few loads of topsoil were applied and seeded as a means of diverting stormwater off the cell rather than ponding and entering the landfill.

Lastly, in fall of 2021, a gas condensate discharge line was intalled on the south side of the landfill to pump condensate into a nearby leachate tank. This consisted of approximately 250 feet of dual contained HDPE piping from a sump on Area A, to Tank 1 on the south side of Area A. The pump and discharge line allows condensate to be removed from the hill, rather than flowing by gravity through the gas collection system. Historically, the liquid was drained through the main gas header and into the condensate knockout before the blower. This old draining method was slow and inefficient with aging valve infrastructure. The new setup allows for quick removal of liquids and better performance of the gas collection system.



Area A – South side looking West

Gas Collection System

Area A is situated near the center of the 574-acre facility boundaries. The landfill is located north of the facility's gas recovery building. An active gas system, consisting of blowers, valves, and multiple controls, has been extracting landfill gas from this landfill since 1989. Most of the Area A landfill gas piping was installed during a ten-year period from 1984 through 1993, with additions made in 2003, 2004, and 2009. Landfill gas extracted from the Area A landfill is transferred to the gas recovery building via a large header pipe. Vacuum to the wellfield is regulated by the variable frequency drive (VFD) at the blower station, located at the Gas Recovery Building to the south of the site that controls the gas collection and control system (GCCS) at the site. Most condensate from Area A flows by gravity through the gas header pipe and into a condensate knockout just outside the gas building. This condensate then drains by gravity to Area A Tank 1 to the east of the gas building.

Landfill gas emissions from the entire MCSWD property, including Area A, are regulated under, and in accordance with, renewed Air Pollution Control Operation Permit 737092730-P20 dated November 2, 2015. Existing sensing devices measure gas flow rates, pressures, and vacuums, as well as methane and oxygen concentrations. These sensors are located on the main header line pipe, leading into the gas recovery building, and include gas collected from Area A, Area B, and BRRDF landfills. Data is recorded and stored on a computerized system. This data is used for reporting and operating purposes.

The Marathon County GCCS operated 97.39% of the year with approximately 8,531 hours of operation. The average aggregated flow rate for the site GCCS was approximately 991.32 standard cubic feet per minute (scfm). Methane and oxygen concentrations of landfill gas averaged, by volume, 51.2% for methane and 1.0% oxygen. Total gas collected from the site in 2021 was 521,423,435 standard cubic feet (scf). From the total gas collected at the site330,757,367 scf was used for production of electricity, and 190,666,065 scf was sent to the flare. The table below summarizes the aggregated flow, combustion location, and vacuum of the GCCS at the site.

Month	Total CFM	CFM Electric	CFM Flare
Jan	35,959,532	27,938,094	8,021,438
Feb	35,825,333	25,732,988	10,092,346
Mar	43,580,196	33,750,304	9,829,892
Apr	40,717,387	24,682,637	16,034,749
May	42,083,634	33,843,475	8,240,159
Jun	40,450,546	29,496,315	10,954,231
Jul	41,807,723	29,290,360	12,517,363
Aug	44,903,303	30,591,052	14,312,251
Sep	44,014,624	30,770,976	13,243,647
Oct	51,063,231	29,774,114	21,289,117
Nov	47,783,789	32,177,269	15,606,519
Dec	53,234,137	2,709,783	50,524,353
Totals	521,423,435	330,757,367	190,666,065

2021 MARATHON COUNTY GCCS DATA (INCLUDES AREA A, AREA B & BRRDF)

Below is a chart listing average monthly vacuum, methane (CH4), and oxygen (O2) concentrations of the site GCCS (combined Area A, Area B, and BRRDF landfill gas).

2021 GCCS Vacuum and Concentrations	Ave Vacuum (negative inches water column)	Ave CH4%	Ave O2%		
January	26.25	50.3	1.1		
February	26.50	49.6	1.3		
March	25.80	50.8	1.1		
April	26.40	51.9	1.0		
May	25.90	51.6	1.1		
June	26.40	52,4	0.9		
July	24.50	53.7	0.5		
August	24.30	52.5	0.8		
September	24.90	50.5	0.8		
October	25.00	48.7	0.9		
November	26.10	51.5	1.0		
December	26.00	50.5	1.0		
Average	25.67	51.2	1.0		

Gas System Outages

As indicated previously, the gas system operated nearly continuously. Any shutdowns, whether for planned maintenance or unplanned events, resulted in proper and lawful notification to the Wisconsin Department of Natural Resources (WDNR) Air Management staff. The January to June 2021 Semi-annual Report and July to December 2021 Semi-annual Report for the facility include

descriptions of GCCS and control device shutdown events, GCCS and control device malfunctions, and continuous monitoring device malfunctions.

Surface Emission Monitoring

Surface emission monitoring (SEM) of Area A was conducted on June 25, 2021. No exceedances were detected. Permit compliance condition I.A.9.e allows for annual SEM once "any closed landfill…has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods…" Because MCSWD is allowed to conduct annual SEM monitoring on Area A, a SEM was only conducted in one quarter.

For the SEM annual event, a flame ionization detector (FID) is used while the MCSWD's environmental technician walks a serpentine pattern across the surface of the landfill. Documentation of the annual SEM of Area A is provided in Attachment B.



Area A – north slope looking south

Soil Gas Monitoring

During 2021, the soil gas probes were monitored quarterly for relative pressure, methane (CH4), oxygen (02), and soil gas pressure. In 2021, these monitoring results indicated no gas migration.

First Quarter Pr Gas Probe				Oxyg	ven	Press	ure		
[Depth in feet]		(%CH4 by		(%02 b)	•	(inch V		No	tes:
Lic. 2892	WDNR Parr Code #			855		463			
Area A Probe IDs	A Probe IDs							WDNF	R ID No.
G-1R [10']	E Area A	0		20.	8	0.0	5	700	
G-3R [15']	N Area A	0		22.	2	0.0	5	7	04
G-4R [5']	W Area A	0		21.	6	-0.0)1	7	09
G-9 [9']	W Area A	0		22		-0.0)1	7	20
G-11 [10']	S Area A	0		18.	8	0.0	2	7	24
G-12 [10']	S Area A	0		21.	9	-0.0	8	7	26
Second Quarter	<u>Probe Data (A</u>	<u>pil 23, 2021)</u> :		-		-			
Gas Probe	Location	Metha	ne	Oxyg	gen	Press	sure	No	otes:
[Depth in feet]		(%CH4 by	Vol.)	(%02 b	y Vol.)	(inch)	W.C.)	INC	ites:
Lic. 2892	WDNR Parı Code #	m 8554	7	855	50	463	89		
Area A Probe IDs	5								R ID No.
G-1R [10']	E Area A	0		19.	3	0		7	00
G-3R [15']	N Area A	0		19.	4	0.0	2	7	04
G-4R [5']	W Area A	0		19.	19.1		0.01		09
G-9 [9']	W Area A	0		19.4		-2.75		720	
G-11 [10']	S Area A	0		17.5		0.04		7	24
G-12 [10']	S Area A	0		18		NR		7	26
<u>Third Quarter P</u>				1					
Gas Probe	Location			Oxyg		Press	ure	Notes:	
[Depth in feet]		(%CH4 by	Vol.)	(%02 by	y Vol.)	(inch V	V.C.)		
Lic. 2892	WDNR Parr Code #	n 8554	7	855	50	463	89		
Area A Probe IDs	5							WDNR ID No	
G-1R [10']	E Area A	0		11.	5	-0.0	-0.02		00
G-3R [15']	N Area A	0		19.		0		7	04
G-4R [5']	W Area A	0		18.		-0.0)1		09
G-9 [9']	W Area A	0		18.		0			20
G-11 [10']	S Area A	0		14.		0.0			24
G-12 [10']	S Area A	0		18.	1	-0.0)1	7	26
Fourth Quarter	<u>`````````````````````````````````````</u>							_	
Gas Probe	Location	Methane		xygen		ssure	No	otes:	
[Depth in feet]		(%CH4 by Vol.)		602 by Vol.)	(incl	n W.C.)			
Lic. 2892	WDNR Parm	85547		35550					
	Code #	_		-					
Area A Probe								R ID No	
G-1R [10']	E Area A	0		20.5				00	
G-3R [15']	N Area A	0	_	20.9		.03		04	
G-4R [5']	W Area A	0		19.9		-0.01		09	
G-9 [9']	W Area A	0	_	20.2				20	
G-11 [10']	S Area A	0 0		21.6		0.03		24	
G-12 [10']	S Area A	U		19.7	-0.01		726		

First Quarter Probe Data (January 20, 2021):

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Gas Sampling Data

On October 25 2021, MCSWD's environmental technician, with assistance from Tetra Tech, used a summa canister to collect a sample of landfill gas for VOC analysis. The full canister was shipped via express mail services to Air Technology Labs, Inc. (ATL) in City of Industry, California for analyses of volatile organic compounds. The test method used was United States Environmental Protection Agency (EPA) test method TO-15, Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters and Analyzed by Gas Chromatography/ Mass Spectrometry (GC/MS). Results of the testing performed by ATL are provided as Attachment C to this report.

Landfill Gas Monitoring

Landfill gas monitoring was conducted on a monthly basis in accordance with the site's Air Pollution Control Operation Permit 737092730-P20. The results of each monthly monitoring event are provided to both the solid waste and air departments of the WDNR on a monthly basis.

4 G-3E GW-11 GW GW-7 -GW-4 G-9 GW-22 GW-14 GW-18 GW-10 GW-8 GW-17 GW-PGZ3 GW-21 CLOSED AREA A GW LANDEUL GW-¢-4R GW-5R GW-GW-12 GW-1 ON GW-PGZ2 A MON 7 Bullet U G-12-G-11 4 200 400 LEGEND EXISTING LFG EXISTING GAS EXTRACTION WELL BLOWER/FLARE SCALE IN FEET STATION EXISTING GAS PROBE 10

Area A Landfill Gas Wellfield Map:

MCSWD Area A Annual Report March 2021

Leachate Management:

The Area A leachate collection system captures all liquids entering the site and directs them to the holding tank system. Leachate is collected through a series of perforated pipes within the landfill and is delivered to one of two, double-walled steel, underground storage tanks. Tank 1 has a 20,000-gallon capacity and Tank 2 has a 25,000-gallon capacity.

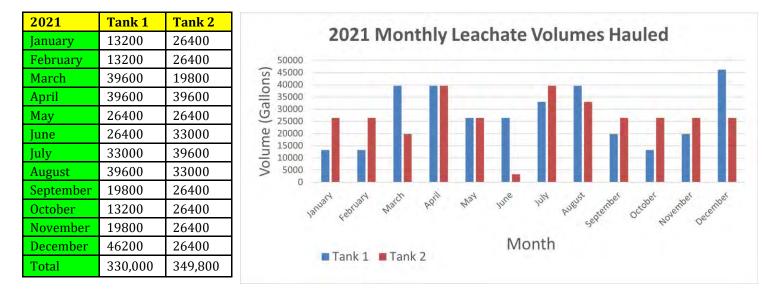
Leachate tank levels are checked daily by the contract leachate hauler and throughout the week by the site facility supervisor and environmental technicians. When needed, the contract hauler pumps the stored leachate into a 6,600-gallon tanker truck and delivers the material to one of four waste water treatment facilities (WWTF).

Leachate collected in 2021 was transported to the following facilities: Stevens Point Wastewater Utility in Stevens Point, Wisconsin; the Plover Wastewater Treatment Facility; or the Wausau Wastewater Treatment Facility at the Dept. of Public Works in Wausau, Wisconsin. Leachate is pumped into the WWTF and treated to ensure all effluent meets Wisconsin Pollutant Discharge Elimination System (WPDES) standards prior to discharge into the Wisconsin River.

Preventative maintenance of the leachate storage and pumping system was conducted, as needed, by on-site staff or other tank and pump specialists, when required.

Leachate Volume:

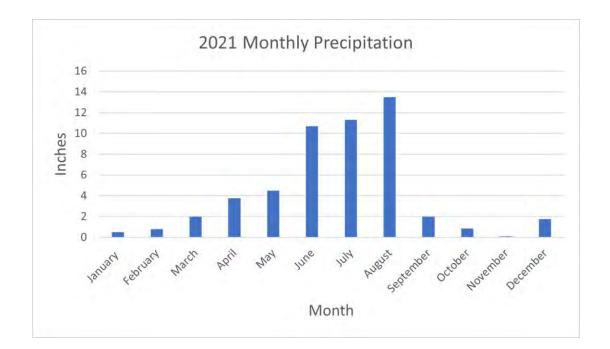
Total volume (gallons) of leachate collected/transported/treated are as follows:



Precipitation:

NA south	I solution and
Month	Inches
January	0.5
February	0.8
March	2
April	3.75
May	4.5
June	10.7
July	11.3
August	13.5
September	2.6
October	0.85
November	0.1
December	1.75
Total	51.75

* Snow converted to liquid precipitation by dividing by 10



Leachate Collection Piping

On June 29th and 30th, 2021 Northern Pipe, Inc. of Green Bay, Wisconsin, water jetted the Area A leachate lines with a total of 3,000 gallons of water. Jetting was accomplished by accessing pipes from both ends for cleaning to overlap in the center or jetting the full length from one access point. Northern Pipe televised the Area A leachate lines in June of 2018 after jetting was completed. Hard deposits were encountered midway from both ends of cleanout access point 1, which prevented the entire pipe from being jetted as well. There were additional challenges at these same locations again in 2021 as jetting was conducted. No other issues were noted. Attachment D includes the jetting report from Northern Pipe for Area A.

The condition of manhole 1S is poor, was identified more than ten years ago, and has been periodically discussed with the WDNR since that time. Possible solutions to making improvements to this manhole have been evaluated, but implementation could pose a higher risk of environmental contamination over no action. Accessing this manhole would require exposing and puncturing the final cover as well as the base liner. It has been determined that since liquid levels in the landfill have not changed over time, the condition of manhole 1S does not pose a serious risk to the functionality of the leachate collection system in Area A landfill. Additional information on this issue has been included in previous annual reports since it was first identified.

Leachate Sampling

Leachate sampling and analytical analysis from Area A, Tanks 1 and 2, was conducted in April and October 2021 by Northern Lake Services (NLS). VOCs and metals were sampled semi-annually, and semi-volatile organics were sampled and tested in October only. Sampling results show a variety of compounds present that are consistent with previous sampling results. Full results are available on the WDNR Groundwater and Environmental Monitoring System (GEMS) database and are maintained in site files. Conductivity and pH values reported in 2021 are summarized below.

Leachate	2021 Conductivit		pН	
Leachate	2021	umho/cm		
Tank 1	April	2130	6.61	
тапк т	October	6590	7.9	
Tank 2	April	5380	7.02	
Tank 2	October	6070	7.22	

Lysimeters

Four lysimeters (LS-2, LS-3, LS-5, and LS-6) were constructed within the unsaturated zone under the Area A landfill. NLS monitored the lysimeters in October 2021 and found LS- 3 was dry. LS-2, LS-5, and LS-6 were sampled as well. Sampling results were submitted electronically to the WDNR GEMS database and are consistent with previous sampling results. A summary table of inorganic constituents and detected VOCs from the lysimeter sampling event is provided below:

October 2021 Detection Results:

Project: Marathon County Landfill - Area A October 2021

Matrix: WW					25			
Collected: 10/26/21 14:36 Received: 10/26/21	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Parameter		Units	Dilution	LOD	LOG	10/26/21	NA	72102646
Field color	none detected 653	umho/cm@25C	4		12	10/26/21	EPA 120.1	72102646
Field conductivity	none detected	unnovcm@250	1			10/26/21	NA 120.1	72102646
Field odor			4					
Field pH	7.45	s.u.	1			10/26/21	4500-H+B-2000	72102646
Field turbidity	slight, fine, tan	- Here	4	0.04		10/26/21	NA	72102646
Field volume pumped	1.00	gallon	1	0.0*		10/26/21	NA	72102646
Alkalinity, tot. as CaCO3 (unfiltered)	150	mg/L	1	1.0	2.0	10/28/21	2320 B-1997	72102646
C.O.D. (unfiltered)	15	mg/L	1	1.6	5.2	11/07/21	5220 C-1997	72102646
Chloride, as CI (unfiltered)	110	mg/L	5	1.6	10	11/03/21	EPA 300.0, Rev 2.1	72102646
Hardness, tot. recoverable, (calc/unfilt/icp)	200	mg/L	1	0.47	1.6	11/01/21	EPA 200.7, Rev 4.4	72102646
Nitrogen, ammonia as N (unfiltered)	[0.031]	mg/L	1	0.027	0.090	10/28/21	4500-NH3 G-1997	721026460
Sodium, tot. recoverable as Na by ICP	72	mg/L	1	0.12	0.41	11/01/21	EPA 200.7, Rev 4.4	72102646
Sulfate, as SO4 (unfiltered)	7.7	mg/L	1	0.28	2.0	11/01/21	EPA 300.0, Rev 2.1	72102646
Metals digestion - tot, recov.ICP	yes					10/29/21	EPA 200.7	721026460
/OCs (water) by GC/MS	. see attached	1184 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 - 1284 -	Section 1			11/03/21	EPA 624	72102646
				299-000 (briddau)	Group de la			
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latrix: WW collected: 10/26/21 13:53 Received: 10/26/21	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
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flatrix: WW collected: 10/26/21 carameter Pry tysimeter Lysimeter tartix: WW		Units	Dilution	LOD	LOQ			
latrix: WW collected: 10/26/21 13:53 Received: 10/26/21 arameter arameter by Image: State of the	dry					10/26/21	Field Method	721026460
Itatrix: WW Collected: 10/26/21 13:53 'arameter' by Lysimeter L-5 NLS ID: 1286071 Iatrix: WW collected: 10/26/21 14:41 Received: 10/26/21 arameter	dry Result	Units Units	Dilution	LOD	LOQ	10/26/21 Analyzed	Field Method	721026460 Lab
Itatrix: WW Collected: 10/26/21 13:53 Parameter Pry Lysimeter L-5 NLS ID: 1286071 Iatrix: WW Collected: 10/26/21 14:41 Received: 10/26/21 arameter iollected: 10/26/21 14:41 arameter ioll color	dry Result natural	Units	Dilution			10/26/21 Analyzed 10/26/21	Field Method Method NA	721026460 Lab 721026460
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Aatrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 arameter Dry Lysimeter L-5 NLS ID: 1286071 Aatrix: WW Collected: 10/26/21 14:41 Received: 10/26/21 arameter Teld conductivity Teld conductivity Teld odor Teld pH	dry Result natural 781 none detected 6.99	Units umho/cm@25C s.u.	Dilution			10/26/21 Analyzed 10/26/21 10/26/21 10/26/21 10/26/21	Field Method Method NA EPA 120.1 NA 4500-H+B-2000	721026460 Lab 721026460 721026460 721026460 721026460
Lysimeter L-3 NLS ID: 1286070 datrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 arameter Pry Lysimeter L-5 NLS ID: 1286071 datrix: WW Collected: 10/26/21 14:41 Received: 10/26/21 arameter Tield conductivity Tield conductivity Tield door Tield pH Tield turbidity	dry Result natural 781 none detected 6.99 moderate, fine, b	Units umho/cm@25C s.u. rown	Dilution 1 1	LOD		10/26/21 Analyzed 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21	Field Method NA EPA 120.1 NA 4500-H+B-2000 NA	721026460 Lab 721026460 721026460 721026460 721026460 721026460
Aatrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 Parameter Dry Lysimeter L-5 NLS ID: 1286071 Aatrix: WW Collected: 10/26/21 14:41 Received: 10/26/21 Parameter Tield color Tield color Tield color Tield pH Tield turbidity Tield turbidity Tield turbidity Tield volume pumped	dry Result natural 781 none detected 6.99 moderate, fine, bi 1.00	Units umho/cm@25C s.u. rown gallon	Dilution 1 1	LOD 0.0*	LOQ	10/26/21 Analyzed 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21	Field Method NA EPA 120.1 NA 4500-H+B-2000 NA NA	Lab 721026460 721026460 721026460 721026460 721026460 721026460 721026460
Aatrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 arameter Dry Lysimeter L-5 NLS ID: 1286071 Aatrix: WW Collected: 10/26/21 14:41 Received: 10/26/21 arameter Tield conductivity Tield conductivity Tield codor Tield dodr Tield turbidity Tield turbidity Tield turbidity Tield volume pumped Likalinity, tot. as CeCO3 (unflittered)	dry Result natural 781 none detected 6.99 moderate, fine, bi 1.00 430	Units umho/cm@25C s.u. rown gallon mg/L	Dilution 1 1 1 1	LOD 0.0* 1.0	LOQ 2.0	10/26/21 Analyzed 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 11/03/21	Method NA EPA 120.1 NA 4500-H+B-2000 NA 2320 B-1997	Lab 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460
Aatrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 Parameter Dry Lysimeter L-5 NLS ID: 1286071 Aatrix: WW Collected: 10/26/21 14:41 Received: 10/26/21 Parameter Field color Field color Field color Field color Field urbidity Field volume pumped Vkalinity, tot. as CaCO3 (unfiltered) C.O.D. (unfiltered) C.O.D. (unfiltered)	dry Result natural 781 none detected 6.99 moderate, fine, br 1.00 430 37	Units umho/cm@25C s.u. rown gallon mg/L mg/L	Dilution 1 1 1 1 1	LOD 0.0* 1.0 1.6	LOQ 2.0 5.2	10/26/21 Analyzed 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 11/07/21	Nethod NA EPA 120.1 NA 4500-H+B-2000 NA NA S220 B-1997 5220 C-1997	Lab 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460
Attrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 ararmeter Dry Lysimeter L-5 NLS ID: 1286071 Atrix: WW Collected: 10/26/21 14:41 Received: 10/26/21 ararmeter Teld color Teld pH Teld conductivity Teld odor Teld pH Teld turbidity Teld ourbidity Teld ourbidity Teld ourbidity Teld ourbidity Teld ourbidity Teld furbidity Teld furbidity Teld ourbidity Teld ourbid	dry Result natural 781 none detected 6.99 moderate, fine, br 1.00 430 37 22	Units umho/cm@25C s.u. rown gallon mg/L mg/L mg/L	Dilution 1 1 1 1 1 1	LOD 0.0* 1.0 1.6 0.32	LOQ 2.0 5.2 2.0	10/26/21 Analyzed 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 11/03/21 11/07/21	Field Method NA EPA 120,1 NA 4500-H+B-2000 NA NA 2320 B-1997 5220 C-1997 EPA 300.0, Rev 2.1	Lab 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460
Atrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 Parameter Parameter Dry Italian in the second in	dry Result natural 781 none detected 6.99 moderate, fine, bi 1.00 430 37 22 450	Units umho/cm@25C s.u. rown gallon mg/L mg/L mg/L mg/L	Dilution 1 1 1 1 1 1 1 1	LOD 0.0* 1.0 1.6 0.32 0.47	2.0 5.2 2.0 1.6	10/26/21 Analyzed 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 11/03/21 11/03/21 11/01/21	Method NA EPA 120.1 NA 4500-H+B-2000 NA 2320 B-1997 5220 C-1997 EPA 300.0, Rev 2.1 EPA 300.7, Rev 4.4	721026460 Lab 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460
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Aatrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 ararmeter Cry Lysimeter L-5 NLS ID: 1286071 Aatrix: WW Collected: 10/26/21 14:41 Received: 10/26/21 ararmeter Field conductivity Field conductivity Field conductivity Field conductivity Field conductivity Field volume pumped Cikalinity, tot. as CaCO3 (unfiltered) C.O.D. (unfiltered) Fiolories, tot. recoverable, Calc/unfilt/icp) Fitorde, as Cl (unfiltered) Colour, tot. recoverable, as Na by ICP	dry Result natural 781 none detected 6.99 moderate, fine, br 1.00 430 37 22 450 1.2	Units umho/cm@25C s.u. rown gallon mg/L mg/L mg/L mg/L mg/L mg/L	Dilution 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOD 0.0* 1.0 1.6 0.32 0.47 0.027	LOQ 2.0 5.2 2.0 1.6 0.090	10/26/21 Analyzed 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 11/03/21 11/03/21 11/01/21 11/01/21	Method NA EPA 120.1 NA 4500-H+B-2000 NA 2320 B-1997 5220 C-1997 EPA 300.0, Rev 2.1 EPA 200.7, Rev 4.4 4500-NH3 G-1997 EPA 200.7, Rev 4.4 4500.NH3 G-1997 EPA 200.7, Rev 4.4 EPA 200.7, Rev 4.4	Lab 221026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460 721026460
Atrix: WW Collected: 10/26/21 13:53 Received: 10/26/21 Parameter Parameter Dry Italian in the second in	dry Result natural 781 none detected 6.99 moderate, fine, b 1.00 430 37 22 450 1.2 13	Units umho/cm@25C s.u. rown gallon mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Dilution 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOD 0.0* 1.0 1.6 0.32 0.47 0.027 0.12	LOQ 2.0 5.2 2.0 1.6 0.090 0.41	10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 10/26/21 11/03/21 11/07/21 11/01/21 11/01/21	Field Method NA EPA 120,1 NA 4500-H+B-2000 NA NA 2320 B-1997 5220 C-1997 EPA 300.0, Rev 2.1 EPA 200.7, Rev 4.4 4500-NH3 G-1997 EPA 200.7, Rev 4.4	721026460 Lab 721026460 721026460 721026460 721026460 721026460

Collected: 10/26/21 14:46 Received: 10/26/21 Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Field color	natural	······································	and the second second			10/26/21	NA	721026460
Field conductivity	825	umho/cm@25C	1			10/26/21	EPA 120.1	721026460
Field odor	none detecte	9	State State			10/26/21	NA	721026460
Field pH	6.93	S.U.	1			10/26/21	4500-H+B-2000	721026460
Field turbidity .	moderate, fin	e, brown				10/26/21	NA	721026460
Field volume pumped	1.00	gallon	1	0.0*	5	10/26/21	NA	721026460
Alkalinity, tot. as CaCO3 (unfiltered)	440	mg/L	1	1.0	2.0	11/03/21	2320 B-1997	721026460
C.O.D. (unfiltered)	15	mg/L	1	1.6	5.2	11/07/21	5220 C-1997	721026460
Chloride, as CI (unfiltered)	28	mg/L	1	0.32	2.0	11/01/21	EPA 300.0, Rev 2.1	721026460
Hardness, tot, recoverable, (calc/unfilt/icp)	470	mg/L	1	0.47	1.6	11/01/21	EPA 200.7, Rev 4.4	721026460
Nitrogen, ammonia as N (unfiltered)	2.2	mg/L	1	0.027	. 0.090	10/28/21	4500-NH3 G-1997	721026460
Sodium, tot, recoverable as Na by ICP	14	mg/L	1	0.12	0.41	11/01/21	EPA 200.7, Rev 4.4	721026460
Sulfate, as SO4 (unfiltered)	[0.40]	mg/L	1	0.28	2.0	11/01/21	EPA 300.0, Rev 2.1	721026460
Metals digestion - tot. recov.ICP	yes					10/29/21	EPA 200.7	721026460
VOCs (water) by GC/MS	see attached		1			11/03/21	EPA 624	721026460

Leachate Level Monitoring

The reported quarterly leachate levels are provided below:

Leachate Head Well Monitoring										
Area A	LHW 1	LHW 2	LHW 3	LHW 4 D	LHW 4M	LHW 4S	P5	P6	P7	P8
Pipe Length to										
Elbow (ft.)	56.53	58.53	63.7	67.5	47.65	33.6	67.7	52.25	68.8	59.8
Date	Depth to Liquid									
March	32.5	34	40.5	45	30	38.5	Dry	Broken	Dry	Broken
June	31.6	35.9	41.8	45.5	39.9	30.3	Dry	Broken	Dry	Broken
September	38	34.5	45.2	44.6	35.2	29.5	Dry	Broken	Dry	Broken
December	33.7	34.4	46.2	45.5	32.1	31.6	Broken	Broken	Dry	Broken

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Hydrogeological Conditions

The near-surface geology at this site consists of glacial sediments that were deposited in an ice marginal environment that led to the formation of an end moraine. Consequently, these deposits vary widely in terms of their grain-size distributions and sorting. On-site borings penetrated mostly gravelly, silty sands (classified as SM and SP-SM type soils), but zones of well-sorted sands (SP) and sandy, clayey silts (CL or CL-ML type soils) were also encountered. The thickness of glacial drift also varies widely, partly because the sediments were deposited in a moraine with hummocky topography, and partly because the underlying bedrock has more than 80 feet of local relief to its upper surface. Depth to bedrock (granitic gneiss, granite, and quartz monzonite) ranges from 35 to nearly 100 feet. (Sand Creek Consultant Report-Groundwater Flow and Plume Dynamics, 12/09)

Groundwater at the Area A locale occurs under water table conditions and is recharged by excess rainfall that infiltrates the land surface. Estimates of recharge near the site are on the order of 10 inches per year. The water table is generally less than 50 feet below grade, occurring within the glacial deposits. (Sand Creek Consultant Report-Groundwater Flow and Plume Dynamics, 12/09)

Groundwater Monitoring & Analysis

Tetra Tech will be preparing a thorough groundwater assessment to provide more detailed information about site groundwater conditions and status that will be completed in 2021. At the beginning of 2020, MCSWD had a total of 91 groundwater monitoring wells, with 42 designated for Area A. The groundwater monitoring regimen was conducted according to the February 7, 2013, approved groundwater, lysimeter, and leachate monitoring plan.





Groundwater wells were conditioned in November 2019. This included sloping of the ground around them, clear labeling, and lock replacement.

Per the approved monitoring plan, the groundwater wells within the plan were sampled semiannually in April and October. Sampling and laboratory analysis was conducted by qualified personnel from Northern Lake Service (NLS) of Crandon, Wisconsin. Results revealed that most of the monitoring wells show no impacts from contaminants and even meet safe drinking water standards. The groundwater samples were analyzed to very low chemical concentrations with many found to be below the laboratory's limit of quantification (LOQ). The groundwater quality measurements were compared to NR 140 Groundwater Preventive Action Limits (PALs) and Enforcement Standards (ESs) and site-specific indicator PALs and Alternate Concentration Limits (ACLs) provided in the approved monitoring plan. Detections with concentrations higher than these limits are reported as exceedances. As in past monitoring events at the Area A site, results of some wells exceeded the PAL and ES standards, particularly for volatile organic compounds (VOCs). Wells that have historically reported VOC concentrations above these limits include: R12R, R13R, R38, R47, and R50P. Continued monitoring and trending will be necessary to track this. Groundwater monitoring results and any exceedances were submitted electronically by NLS to the WDNR's Groundwater Environmental Monitoring System (GEMS). Below is a summary of the exceedances from each semi-annual monitoring period. The groundwater monitoring well exceedance reports submitted to the WDNR for sampling events in April and October 2021 are provided in Attachment F.

Indicator parameters hardness, alkalinity, and specific conductance concentrations are exhibiting increasing trends at the BRRDF upgradient well nest R59WT/P. Wells upgradient of R59WT/P include the Area A Landfill wells R13R and R35. Well R35 has also reported well-specific exceedances for specific conductance with an increasing trend in specific conductance concentrations. Well R13R has recorded specific conductance between 1,310 to 1,410 umho/cm during the three-year period from 2017 to 2020. The increase in concentrations at the R59WT/P well nest may be associated with the elevated readings for these parameters, occurring upgradient of this well nest in the VOC plume.

Marathon County Solid Waste and Tetra Tech Environmental have been working with WDNR to identify the levels at R59WT/P. Tetra Tech has implemented a monitoring plan working with hydrogeologist staff to better asses the increased levels of conductivity and hardness. This evaluation will be completed in 2022.

		Marathor	n County	Solid W	aste Mgmt Dept	: Area A Ground	water Mo	nitorin	g Wells		
	Exceedances										
Lab ID	NLS Project	Date	License #	FID	Well Desc (Point ID)	Parameter	Units	Result	PAL/ACL	ES	Comments
721026460	364342	April 1 2021	02892	737054890	Dup- (074)	Tetrachloroethylene	ug/L	1.4	0.5	5	NR140.10
721026460	364342	April 1 2021	02892	737054890	Dup- (074)	Trichloroethylene	ug/L	3.5	0.5	5	NR140.10
721026460	364342	April 1 2021	02892	737054890	Dup- (074)	Vinyl Chloride	ug/L	0.21	0.02	0.2	NR140.10
721026460	364342	April 1 2021	02892	737054890	R13R (074)	Tetrachloroethylene	ug/L	1.2	0.5	5	NR140.10
721026460	364342	April 1 2021	02892	737054890	R13R (074)	Trichloroethylene	ug/L	3.2	0.5	5	NR140.10
721026460	364342	April 1 2021	02892	737054890	R13R (074)	Vinyl Chloride	ug/L	0.2	0.02	0.2	NR140.10
721026460	364342	April 1 2021	02892	737054890	R38 (053)	Tetrachloroethylene	ug/L	0.62	0.5	5	NR140.10
721026460	364342	April 1 2021	02892	737054890	R38 (053)	Trichloroethylene	ug/L	1.4	0.5	5	NR140.10
721026460	364342	April 1 2021	02892	737054890	R38 (053)	Vinyl Chloride	ug/L	0.19	0.02	0,2	NR140.10
721026460	364342	April 1 2021	02892	737054890	R35 (050)	Conductivity	umho@25C	1100	510	-	well

April 2021

October 2021

		Marath	on Count	y Solid W	aste Mgmt Dept	Area A Groundw	ater Monit	oring V	Vells		
ing in the second s	Exceedances										
Lab ID	NLS Project	Date	License #	FID	Well Desc (Point ID)	Parameter	Units	Result	PAL/ACL	ES	Comments
721026460	375600	Oct 1 2021	2892	737054890	Dup- (074)	Tetrachloroethylene	ug/L	1.3	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	Dup- (074)	Trichloroethylene	ug/L	2	0,5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R12 (049)	Tetrachloroethylene	ug/L	0.7	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R12 (049)	Trichloroethylene	ug/L	1.5	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R13R (074)	Tetrachloroethylene	ug/L	1.1	0.5	5	NR140,10
721026460	375600	Oct 1 2021	2892	737054890	R13R (074)	Trichloroethylene	ug/L	1.8	0.5	5	NR140,10
721026460	375600	Oct 1 2021	2892	737054890	R38 (053)	Trichloroethylene	ug/L	0.79	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R35 (050)	Conductivity	umho@25C	780	510	-	well

Private Well Water Sampling

The private wells identified in the monitoring plan include nine wells monitored semi-annually (April and October) and seven monitored annually (October) for specified parameters. Analytical results and explanations, where necessary, were reported to the private well owners. Results of the downgradient wells having WDNR well ID numbers were submitted electronically to the WDNR's GEMS. The private well exceedance reports submitted to the WDNR for sampling events in April and October 2021 are provided in Attachment G.

The private water supply well samples analyzed in 2021 met the parameters identified in the site's monitoring plan for safe drinking water standards, and no exceedances were recorded. During 2018, a low-level (estimated between the limit of quantitation and the limit of detection) detection of tetrachloroethene and acetone were reported in a sample collected from private well PW-68. This parameter was not detected in 2021 in either sampling month. Additionally, in 2018, a low-level detection of dichlorofluoromethane was reported in a sample collected from private well PW-27. PW-27 did not have any detects in 2021, in either sampling month.

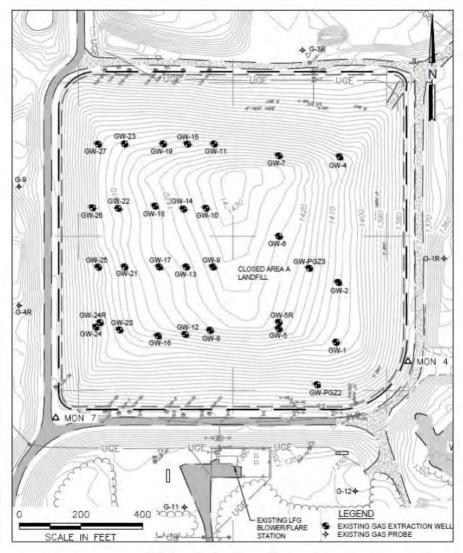
Since 1993, MCSWD has monitored private wells adjacent to, and generally within about one mile to the southeast of, the landfill property limits. MCSWD annually sends letters to approximately fifty landowners and nearby residents, offering to monitor their private water supply wells in autumn of each year. MCSWD notifies all eligible residents in advance of the monitoring event and schedules private well testing based on owner requests on a first-come, first-served basis. Not all residents accept the offer.

MCSWD's July 2004 "Private Well Monitoring Program and Contingency Plan for Alternative Water Supplies" explained that water supply wells located south to southeast of Area A will be sampled and tested for VOCs. MCSWD outlined a plan to take precautionary measures and to ensure safe drinking water is provided to homeowners in this group if, in the future, impacted groundwater from the landfill would cause a well's water to have total contaminants at a concentration half of the allowable drinking water maximum contaminant level. The maximum contaminant levels are allowed in drinking water for public water supply systems, so the county's contingency plan is even more protective of human health.

ATTACHMENT A

AREA A MAP

MCSWD Area A Annual Report March 2021



ATTACHMENT B

AREA A 2021 ANNUAL SURFACE EMISSION MONITORING REPORT

MCSWD Area A Annual Report March 2021 PERFORMED BY: 0 TIME: 8:31 on

DATE: 3/15

CALIBRATION PRECISION TEST RECORD

LANDFILL NAME: ______ Are B QI INSTRUMENT MAKE: ______MODEL: ______S/N: ____ **MEASUREMENT #1:** Meter Reading for Zero Air: 49] ppm (2) Meter Reading for Calibration Gas: **MEASUREMENT #2:** 500 - 496 = 4 Meter Reading for Zero Air: ppm (3) 4<u>96</u> ppm (4) Meter Reading for Calibration Gas: 500-498=. G== **MEASUREMENT #3:** Meter Reading for Zero Air: ppm (5) 49<u>%</u> ppm (6) **Meter Reading for Calibration Gas:** 500 ,006 × 100 = 6 **CALCULATE PRECISION:** ,000 $\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{1}{1}$ = . \bigcirc % (must be less than 10%)

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT

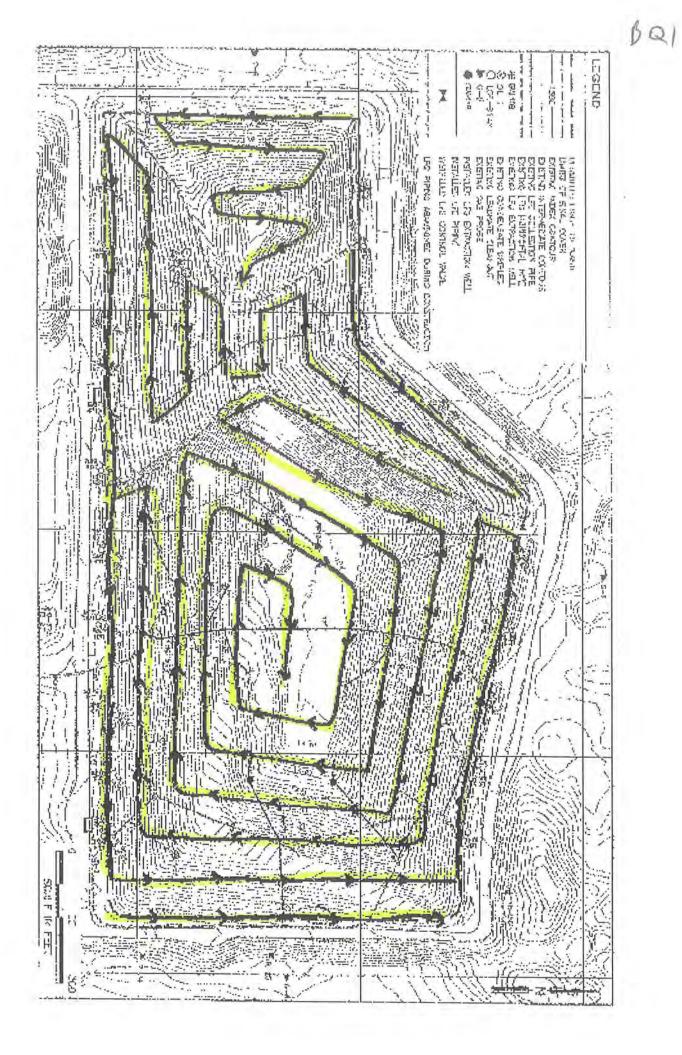
BQ

D LANDFILL NAME: ono MODEL: TVA S/N: OUS 248137 INSTRUMENT MAKE: Kilw \$1020 **Calibration Procedure** 1. Allow instrument to internally zero itself while introducing zero air. 2. Introduce the calibration gas into the probe. Stable reading = 499 ppm 3. Adjust meter to read 500 ppm. **Background Determination Procedure** 1. Upwind Reading (highest in 30 seconds): ppm (1) 2. Downwind Reading (highest in 30 seconds): ppm (2) **Calculate Background Value:**

 $\frac{(1)+(2)}{2}$

Background = ppm

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DAILY SURFACE MONITORING LOG

PERFORMED BY: $\underline{\textcircled{\ }}$ START TIME: $\underline{9!12m}$ DATE: $\underline{3/18}/21$ LANDFILL NAME: \underline{MCSW} <u>ABER</u> B										
Location Identifier of Leak	Location and Time	Concentration of Leak (ppm)								
A	to Desits									

BQ1

BBR QI

PERFORMED BY: 57 TIME: 12:05	DATE: 1/20/21		
INSTRUMENT RESPON	SE TIME TEST RECORD		
LANDFILL NAME: $MLSW BB/L$ INSTRUMENT MAKE: $\underline{T \leqslant S}$ MODEL: $\underline{10003}$	QI		
INSTRUMENT MAKE: TES MODEL: 10003	S/N: GUS 248177		
MEASUREMENT #1:			
Stabilized Reading Using Calibration Gas: 90% of the Stabilized Reading: 45%に	<u>504</u> ppm		
90% of the Stabilized Reading: 453.6	2 ppm		
Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas	<u> 7.7(*</u> seconds (1)		
MEASUREMENT #2:			
Stabilized Reading Using Calibration Gas:	<u>50</u> ppm <u>307</u> ppm		
90% of the Stabilized Reading: "153."	30th ppm		
Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas	<u>7,5</u> seconds (2)		
MEASUREMENT #3:			
Stabilized Reading Using Calibration Gas:	501 ppm		
90% of the Stabilized Reading:	<u>450,9 ppm</u>		
Time to Reach 90% of Stabilized Reading After switching from Zero Air to 72 Calibration Gas	3:7.5 seconds (3)		
	$\frac{(2) + (3)}{3}$ $\frac{1}{7}$		
$= \underline{7.66}$ SECONDS (MUST BE LESS THAN 30 SECONDS)			

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CALIBRATION & BACKGROUND DETERMINATION REPORT

	Masw.		GI		1/28/01
INSTRUMENT MAKE	Throw Effer : Suited MOI	DEL: 1000 B	_S/N: _0[1524 8137	

Calibration Procedure

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe. Stable reading = $\frac{4}{5}$ ppm

3. Adjust meter to read 500 ppm.

Background Determination Procedure

- 1. Upwind Reading (highest in 30 seconds): $\overline{\mathcal{PD}}$ ppm (1)
- 2. Downwind Reading (highest in 30 seconds): $\frac{110}{1000}$ ppm (2)

Calculate Background Value:

$$\frac{(1)+(2)}{2}$$

MEASUREMENT #1:

Meter Reading for Zero Air:	<u>, 35</u> ppm (1)
Meter Reading for Calibration Gas:	<u> </u>
MEASUREMENT #2:	
Meter Reading for Zero Air:	· 5 ⁽³⁾ ppm (3)
Meter Reading for Calibration Gas:	<u>50 /</u> ppm (4)
MEASUREMENT #3:	
Meter Reading for Zero Air:	<u>, 27</u> ppm (5)
Meter Reading for Calibration Gas:	<u> 499</u> ppm (6)
CALCULATE PRECISION:	
[500 - (2)] + [500 - (4	$\frac{(4)}{3} + \frac{(500 - (6))}{500} \times \frac{1}{500}$

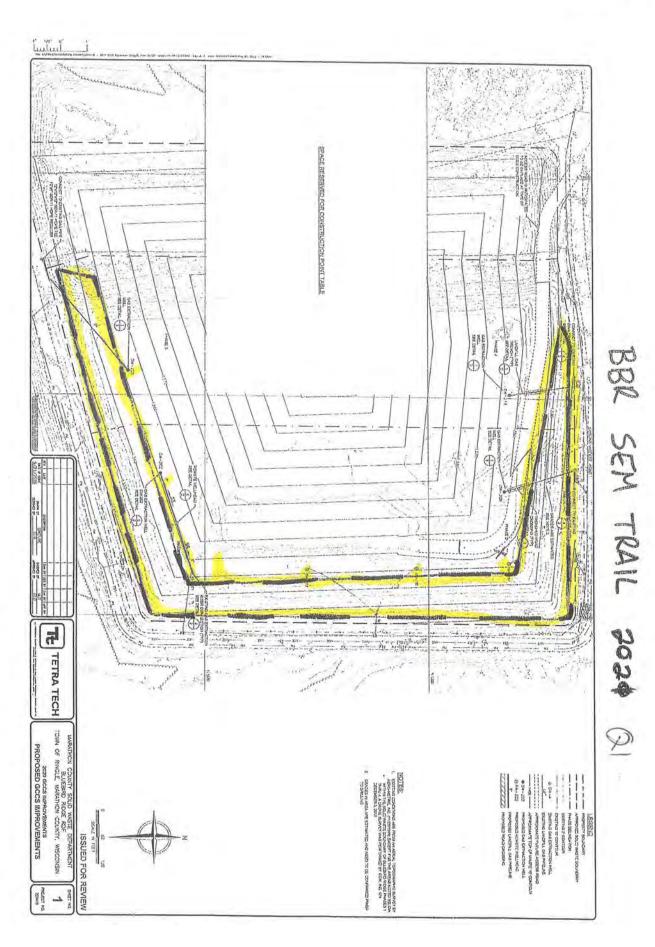
 $\frac{100}{1} - \frac{1}{1} - \frac{$ x <u>100</u> 500 = *, \mathcal{H} % (must be less than 10%)

BARQI

BBE QI

DAILY SURFACE MONITORING LOG

PERFORMED BY:		
START TIME: 12:00	_	
DATE: 1/28/21		
	ism BBR	Q_{1}
Location Identifier of Leak	Location and Time	Concentration of Leak (ppm)
	2	
$ = 10^{-1}$		
	pted -	
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BBR QI

BBP Q7

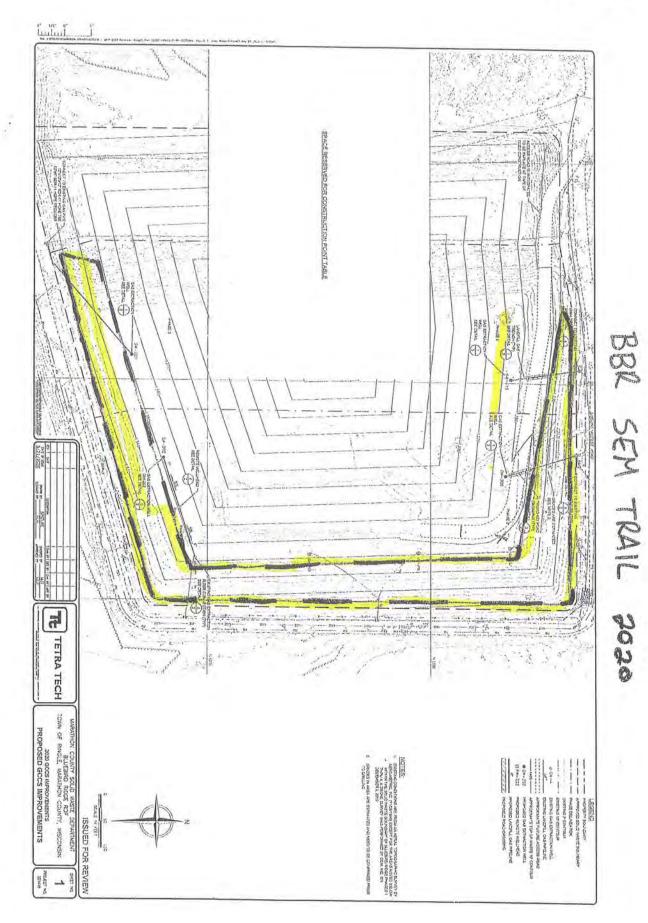
PERFORMED BY: <u></u> TIME: <u></u>	70 pm DATE: 4/27/21		
INSTRUMENT RESI	PONSE TIME TEST RECORD		
LANDFILL NAME: MKJ-P B&R	\bigcirc		
INSTRUMENT MAKE:MODEL:	S/N:		
MEASUREMENT #1:			
Stabilized Reading Using Calibration Gas:	<u> 49</u> 2		
90% of the Stabilized Reading:	<u>442.8</u> ppm		
Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas	$\underbrace{\mathcal{Y}_1}_1$ seconds (1)		
MEASUREMENT #2:			
Stabilized Reading Using Calibration Gas:	<u> </u>		
90% of the Stabilized Reading:	<u>443,7</u> ppm		
Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas	$\mathcal{U}_{1}\mathcal{H}$ seconds (2)		
MEASUREMENT #3:			
Stabilized Reading Using Calibration Gas:	<u>496</u> ppm		
90% of the Stabilized Reading:	<u> </u>		
Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas	4.0 seconds (3)		
CALCULATE RESPONSE TIME:			
	$\frac{(1)+(2)+(3)}{3}$		
= $\frac{4.166}{5}$ seconds (must be less than 30 seconds)			



CALIBRATION & BACKGROUND DETERMINATION REPORT

LANDFILL NAME:	
INSTRUMENT MAKE:MODEL:S/N:	-
Calibration Procedure	
1. Allow instrument to internally zero itself while introducing zero a	ir.
2. Introduce the calibration gas into the probe. Stable reading = $\underline{447}$ ppm	
3. Adjust meter to read 500 ppm.	
Background Determination Procedure	
1. Upwind Reading (highest in 30 seconds):ppm (1)	
2. Downwind Reading (highest in 30 seconds):ppm (2)	
Calculate Background Value: $\frac{(1) + (2)}{2}$	
MEASUREMENT #1:	
Meter Reading for Zero Air: ppm (1)	
Meter Reading for Calibration Gas: 480 ppm (2)	
MEASUREMENT #2:	
Meter Reading for Zero Air: <u>, 30</u> ppm (3)	
Meter Reading for Calibration Gas: <u>491</u> ppm (4)	
MEASUREMENT #3:	
Meter Reading for Zero Air: <u>, 21</u> ppm (5)	
Meter Reading for Calibration Gas: 497 ppm (6)	
CALCULATE PRECISION:	
$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{2} \times \frac{1}{500}$	$x \frac{100}{1}$
3 500	1

= $\frac{26}{2}$ % (must be less than 10%)



8

BORQO

PERFORMED BY:	Olip	
START TIME: 1:05 pm	-	
DATE: $4/27/21$		
LANDFILL NAME: MC	su BBR	
Location Identifier of Leak	Location and Time	Concentration of Leak (ppm)
Ŋ.	2 DETECTS	
•		

BBR ar

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					· · · ·	
	• . •				• .	
PERFORMED BY: <u>Ep</u> time	: 12:15	DAT	E: <u>5/2</u>	421		
INSTRUMENT	RESPONS	E TIME TES	T RECOI	RD		
LANDFILL NAME: MCSW AM	Construction in the second	Qr	n e service Marine			
INSTRUMENT MAKE: TVA 1008 MOD	EL: TF	S/N:				
MEASUREMENT #1:						in the
Stabilized Reading Using Calibration	n Gas: ี	ppm		·····································	8	
90% of the Stabilized Reading:	<u> </u>	<u>55,7</u> ppm			· * . `	
Time to Reach 90% of Stabilized rea After switching from Zero Air to Calibration Gas	iding	<u>second</u>	s (1)	1 3.5		
MEASUREMENT #2:	. .			3.15		
Stabilized Reading Using Calibration	n Gas: <u>5</u>	<u>୭√</u> ppm		3.40		4 (A)
90% of the Stabilized Reading:	<u>41</u>	53,6 ppm		16 25		
Time Reach 90% of Stabilized Read After switching from Zero Air to Calibration Gas	ing 2000 2000 2000 2000 2000 2000 2000 20	35 second	s (2)	3.41		्राजी क्रम जीवन
MEASUREMENT #3:	ing in the second s	• • ***		. Berling Start Start		
Stabilized Reading Using Calibration	n Gas: <u>5</u>	olppm				
90% of the Stabilized Reading:	450	<u>,)</u> ppm		1.9 1.55		1. ² . 4.
Time to Reach 90% of Stabilized Re After switching from Zero Air to Calibration Gas		4D second		e stan e _{la s} ante e stan e se		
CALCULATE RESPONSE TIME:	Ali taku ta u pala.	gi∰ o dikadar internationi				
	$\frac{(1)+(2)}{3}$		•			
= <u>$3.4/$</u> second		BE LESS THAN		NDS)	а.	

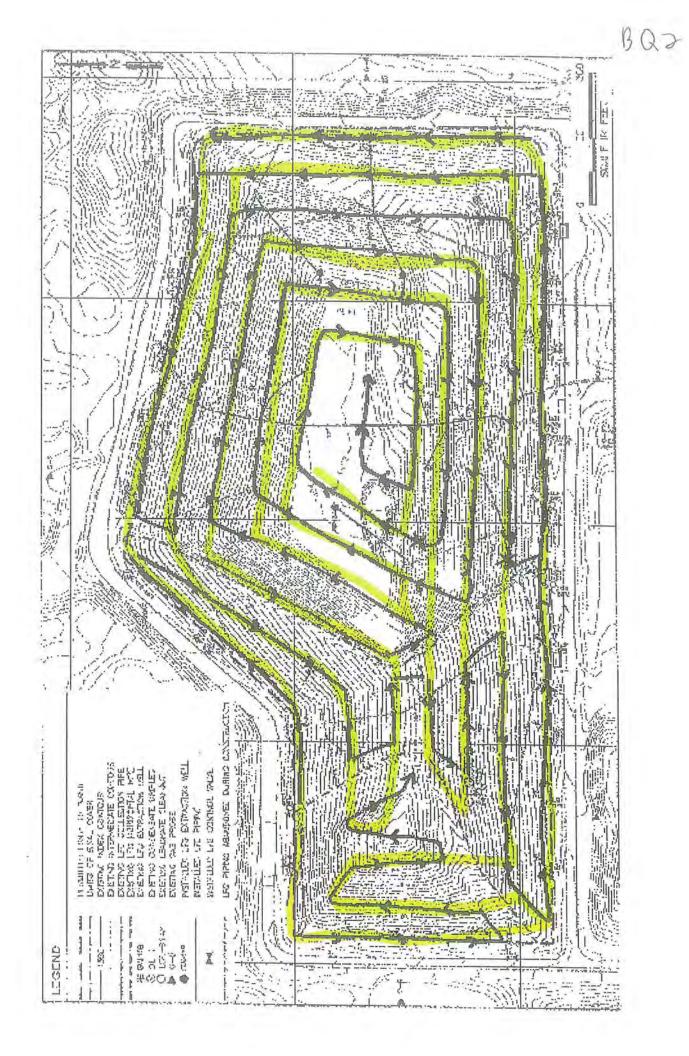
BQ2

CALIBRATION & BACKGROUND DETERMINATION REPORT

LANDFILL NAME:	and the second secon		1111 Tool and 1100 Contract of States	equat		
INSTRUMENT MAKE:	MODEL:	S/P	J:	1981-197-198 - 197-197-197-197-197-197-197-197-197-197-		
Calibration Procedure	· . · · ·				u se tojeta	a da sera da s
1. Allow instrument to inte	ernally zero itself	while intr	oducing z	ero air.		
2. Introduce the calibratio Stable reading = $\mathcal{L}O$ ppm	-	obe.				
3. Adjust meter to read 50)0 ppm.		n an	na Raistai Airtean		in en transformation Status (Status)
Background Determination Pro	ocedure			/ 4. ····		
1. Upwind Reading (highe	st in 30 seconds):	15)	ppm (1)	211		가가나 _다 가 하는 <u>영</u> 수가
 Upwind Reading (highe Downwind Reading (higher) 	thest in 30 second	1s): <u>],</u> 'PL	_ppm (2)	2,11	n an	Gen in the
Calculate Backg		$\frac{(1) + (2)}{2}$	$\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}$	1,68	and solar solar solar solar solar solar solar solar solar solar solar solar	and a Calorina Calorina
	an na ma na san san san san san san san san san	a ma kini ma na mujima kini kwa kwa Baki ywa kwa kwa kwa	ned bed klad wad dies zwei klad pica zone nad klad sone je	r teal had had not feel had not explore had had had bee had teal and	t head maay haay haay haay haay yaad yaad gadig kaay maga taasa maa taasa aang ang igo	 21 Wind that body and that inter joya your was body just kind have have going
MEASUREMENT #1:						
	$e^{i\lambda}d^{i}q^{i}$	1.6			$e_{ij} = \sum_{j=1}^{N} \left[\frac{1}{2} e_{ij} + \frac{1}{2} e_{ij} + \frac{1}{2} e_{ij} + \frac{1}{2} e_{ij} \right] $	an tang
Meter Reading for Zero					ta generative.	
Meter Reading for Calil	bration Gas:	505	ppm (2)			17 - A 1
MEASUREMENT #2:	$\sum_{i=1}^{n} (1-i) e_{i} e_{i$	n na star		an gen terregen (j.	n in the state of the	Press Press
Meter Reading for Zero	Air:	2160	ppm (3)		n se de sa	i se de la post
Meter Reading for Cali	bration Gas:	503	ppm (4)	and the second	a start and	
MEASUREMENT #3:	e e Titel			to for the	$\omega_{\rm s} = - \frac{1}{2} \left[- e^{i \theta_{\rm s}} - i \right]$	
Meter Reading for Zero	Air: 1877	37147	ppm (5)	en en en service de la composition de l La composition de la c	lan tanan sana na tanàn amin'na sana amin'na sana amin'na sana amin'na sana amin'na sana amin' amin' amin' amin' amin' amin' a	
Meter Reading for Cali	bration Gas: 50	KANDA	ppm (6)			1.
CALCULATE PRECISION:			r	an an Arrange an Arrange An Arrange an Arrange a Arrange an Arrange an Ar		$\sum_{i=1}^{n-1} \frac{1}{i} = i \sum_{i=1}^{n-1} \frac{1}{i} \sum_{i=1}^{n-1} $
-5-3-3 [50	<u>0 - (2)] + [500 - (</u>	<u>4)] + [500 ·</u> 3	<u>- (6)]</u> x	<u>1</u> x <u>100</u> 500 1		
	= <u>77</u> % (must be le	ss than 10	%)		

P	ERFORMED BY:	And an and a second			
S	FART TIME: 12:35 pm				
	slou la		n an an Anna an Anna Anna Anna Anna Anna		
D.	ATE: $\underline{\gamma} \overline{\gamma} \overline{\gamma} \overline{\gamma} \overline{\gamma} \overline{\gamma} \overline{\gamma} \overline{\gamma} \overline$				
L	ANDFILL NAME:		No. of the second s		
	Location Identifier	Location and Time		ncentration of	
1	of Leak Santa Trunohun Ar	1:35 0		Leak (ppm) してもの	
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BQ7



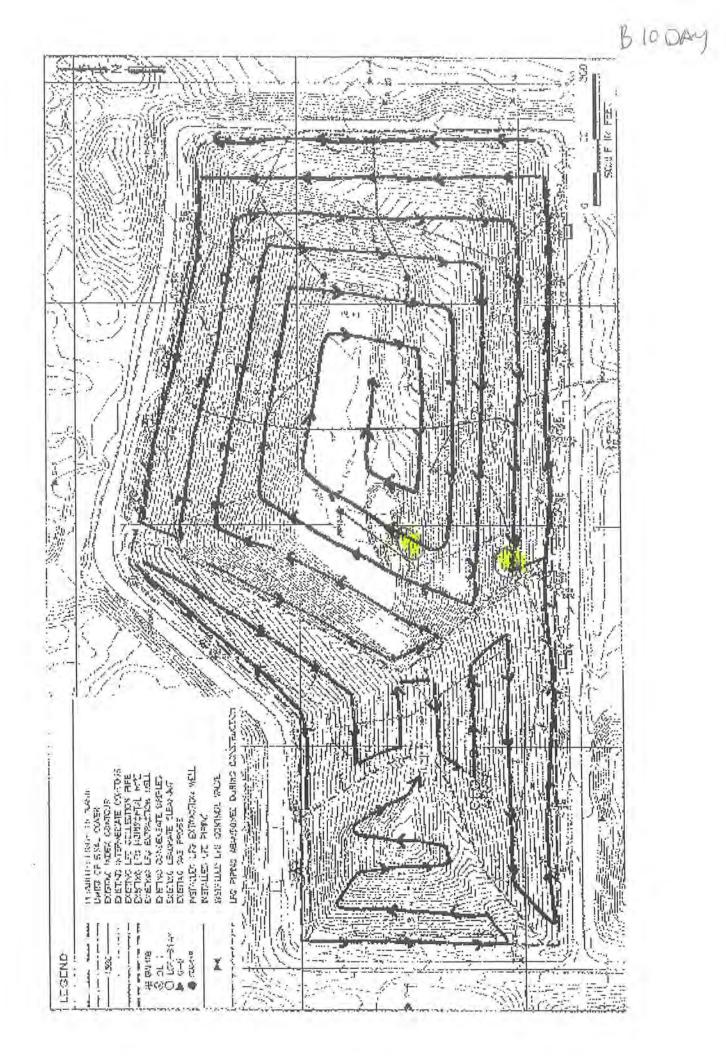
PERFORMED BY: \bigcirc TIME: 1130 an DATE: $5/27/21$
INSTRUMENT RESPONSE TIME TEST RECORD
LANDFILL NAME: B 10 Juny Pulen INSTRUMENT MAKE: TVA MODEL: (000B
INSTRUMENT MAKE: \underline{TVA} model: \underline{loob} s/n:
MEASUREMENT #1:
Stabilized Reading Using Calibration Gas: 497
90% of the Stabilized Reading: 4477 ppm
Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas <u>3,75</u> seconds (1)
MEASUREMENT #2:
Stabilized Reading Using Calibration Gas:
90% of the Stabilized Reading: <u>4467</u> ppm
Time Reach 90% of Stabilized ReadingAfter switching from Zero Air toCalibration Gas7,50seconds (2)
MEASUREMENT #3:
Stabilized Reading Using Calibration Gas: <u>493</u> ppm
90% of the Stabilized Reading: <u>443.7</u> ppm
Time to Reach 90% of Stabilized ReadingAfter switching from Zero Air toCalibration Gas $\overline{2}_1 50$ seconds (3)
CALCULATE RESPONSE TIME:
$\frac{(1)+(2)+(3)}{3}$

= _____ SECONDS (MUST BE LESS THAN 30 SECONDS)

LANDFILL NAME:	······································
INSTRUMENT MAKE:MODEL:	S/N:
Calibration Procedure	
1. Allow instrument to internally zero itself	while introducing zero air.
2. Introduce the calibration gas into the pro- Stable reading = $\frac{491}{\text{ppm}}$	obe.
3. Adjust meter to read 500 ppm.	
Background Determination Procedure	
1. Upwind Reading (highest in 30 seconds):	: <u>/, 9\$</u> _ppm (1)
2. Downwind Reading (highest in 30 second	ds): <u>/, 07</u> ppm (2)
Calculate Background Value:	$\frac{(1)+(2)}{2}$
MEASUREMENT #1:	
Meter Reading for Zero Air:	1,97 ppm (1)
Meter Reading for Calibration Gas:	<u>464</u> ppm (2)
MEASUREMENT #2:	
Meter Reading for Zero Air:	[.7] ppm (3)
Meter Reading for Calibration Gas:	<u> </u>
MEASUREMENT #3:	
Meter Reading for Zero Air:	<u> 1 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / </u>
Meter Reading for Calibration Gas:	<u> </u>
CALCULATE PRECISION:	
[500 - (2)] + [500 - ($\frac{(4)}{3} + \frac{500 - (6)}{500} \times \frac{1}{500} \times \frac{100}{1}$

 $= \frac{1}{16}$ % (must be less than 10%)

PERFORMED BY: START TIME: DATE: $5/27/21$ LANDFILL NAME: ADC	EB B 100m	Derlanda
Location Identifier of Leak	Location and Time	Concentration of Leak (ppm)
NO DET	2603	
<u>\</u>		
		al en land i an best de la
		<u></u>
	•	



PERFORMED BY: 5 TIME: 137 Pm

DATE: $\frac{G/23}{21}$ B 30 DAT

CALIBRATION PRECISION TEST RECORD

LANDFILL NAME: Areak & Aller & 20 Day Rechal INSTRUMENT MAKE: _____MODEL: _____S/N: ____ **MEASUREMENT #1:** 5, 10 500 ppm (1) Meter Reading for Zero Air: 500 ppm (2) Meter Reading for Calibration Gas: **MEASUREMENT #2:** 4, 77 ppm (3) **Meter Reading for Zero Air:** SU [______(4) **Meter Reading for Calibration Gas: MEASUREMENT #3:** みり平 ppm (5) Meter Reading for Zero Air: 498 ppm (6) Meter Reading for Calibration Gas: **CALCULATE PRECISION:** $\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{1}{1}$

= , 0^{-1} % (must be less than 10%)

As Amund B 70 Day

123/21 DATE: 6

INSTRUMENT RESPONSE TIME TEST RECORD

LANDFILL NAME:	MKNG	Ara A	
INSTRUMENT MAKE:	<u>VA</u> M	ODEL: 1000B	_S/N:

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas:

90% of the Stabilized Reading:

Time to Reach 90% of Stabilized reading After switching from Zero Air to **Calibration Gas**

498__ ppm ppm

3. 65_ seconds (1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas:

90% of the Stabilized Reading:

Time Reach 90% of Stabilized Reading After switching from Zero Air to **Calibration Gas**

ppm 447.3 ppm

3,5 seconds (2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas:

90% of the Stabilized Reading:

Time to Reach 90% of Stabilized Reading After switching from Zero Air to **Calibration Gas**

ppm 414, 5_ ppm

?15_____ seconds (3)

CALCULATE RESPONSE TIME:

 $\frac{(1)+(2)+(3)}{3}$

= 7.55 seconds (must be less than 30 seconds)

PERFORMED BY: 6 TIME: 1:37 pm DATE: 6/23/21

PERFORMED BY:		
START TIME: 1:37 pm		
DATE: $6/23/\overline{H}$		· · · · · · · · · · · · · · · · · · ·
LANDFILL NAME:	free A	-
T	Tradit and the second	
Location Identifier of Leak	Location and Time	Concentration of Leak (ppm)
1/2	PETECTS	
// 0	J_676 01)	

B Amud B 30 Day CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT

LANDFILL NAME: MCSh Arch A Amna TVA 1000BINSTRUMENT MAKE: $T \in MODEL$: S/N: _____

Calibration Procedure

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe. Stable reading = $\frac{497}{ppm}$

3. Adjust meter to read 500 ppm.

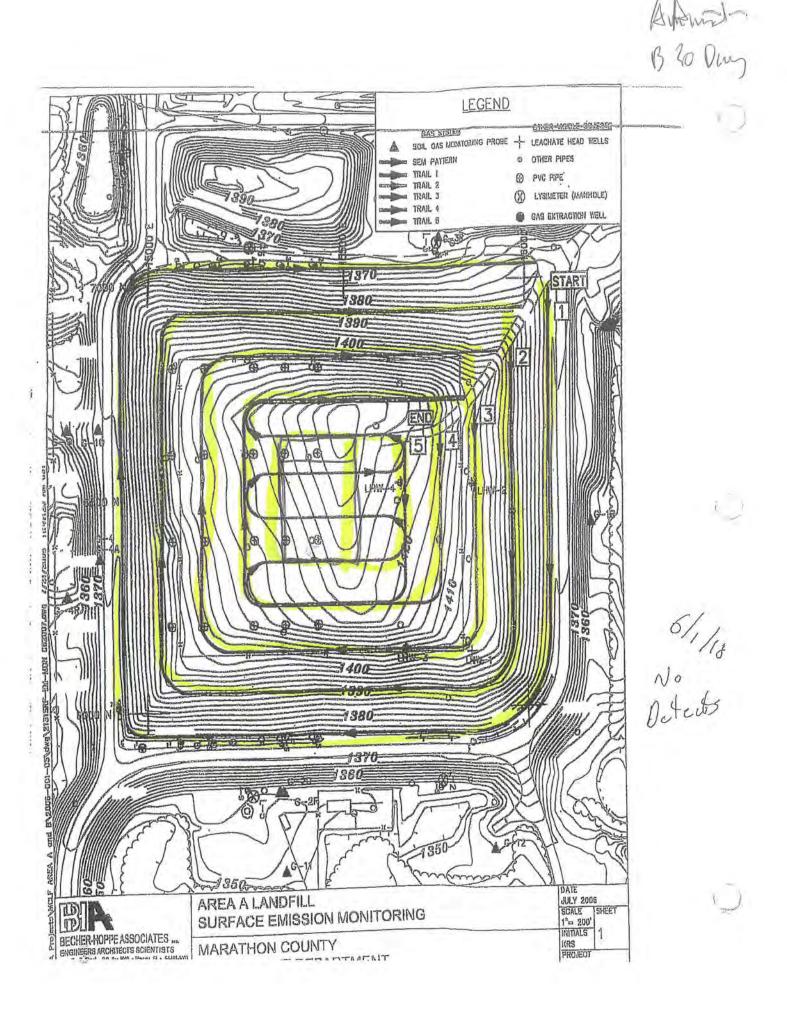
Background Determination Procedure

\ ، 9<u>٦</u> ppm (1) 1. Upwind Reading (highest in 30 seconds): - <u>101</u> ppm (2) 2. Downwind Reading (highest in 30 seconds):

Calculate Background Value:

$$\frac{(1)+(2)}{2}$$
 1.08

Background = .57 ppm



TIME: 8:15 ~~ **PERFORMED BY:**

DATE: 7/22/2

INSTRUMENT RESPONSE TIME TEST RECORD

LANDFILL NAME:	MCSW	BBR	,
INSTRUMENT MAKE	TVK (30B 2:MODEL:	<u> </u>	

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas:

90% of the Stabilized Reading:

Time to Reach 90% of Stabilized reading After switching from Zero Air to **Calibration Gas**

ppm 3.5

507 ppm

451.8_ppm

150.9

_ ppm

seconds (1)

seconds (2)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas:

90% of the Stabilized Reading:

Time Reach 90% of Stabilized Reading After switching from Zero Air to **Calibration Gas**

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas:

90% of the Stabilized Reading:*

Time to Reach 90% of Stabilized Reading After switching from Zero Air to **Calibration Gas**

CALCULATE RESPONSE TIME:

ppm 154.5 ppm

1,6

seconds (3)

 $\frac{(1)+(2)+(3)}{3}$

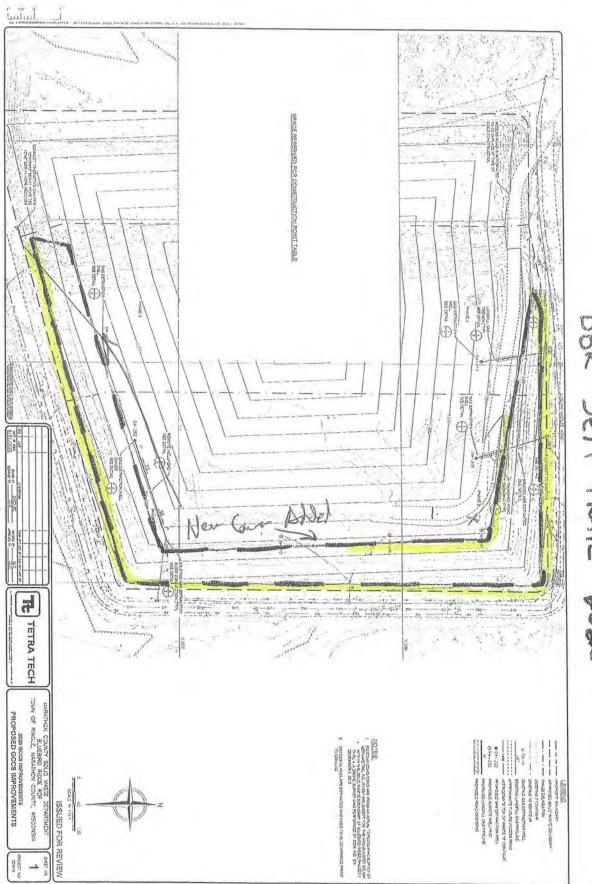
= <u>3.56</u> SECONDS (MUST BE LESS THAN 30 SECONDS)

PERFORMED BY: <u>EV</u>		
START TIME: Silve	<u></u>	
DATE: $7/2\sigma/2/$		
LANDFILL NAME:	Musu BBR	
Location Identifier of Leak	Location and Time	Concentration of Leak (ppm)
	NO DETECTS	
	······································	

CALIBRATION & BACKGROUND DETERMINATION REPORT

LANDFILL NAME: MLSW BBR
LANDFILL NAME: MLSL BBD INSTRUMENT MAKE: TV B Gov MODEL: 1000B S/N:
Calibration Procedure
1. Allow instrument to internally zero itself while introducing zero air.
2. Introduce the calibration gas into the probe. Stable reading = 504 ppm
3. Adjust meter to read 500 ppm.
Background Determination Procedure
1. Upwind Reading (highest in 30 seconds): <u></u>
2. Downwind Reading (highest in 30 seconds): <u>93</u> ppm (2)
Calculate Background Value:
$\frac{(1) + (2)}{2}$
MEASUREMENT #1:
Meter Reading for Zero Air: ppm (1)
Meter Reading for Calibration Gas: $5 \circ 2$ ppm (2)
MEASUREMENT #2:
Meter Reading for Zero Air: ppm (3)
Meter Reading for Calibration Gas: <u>504</u> ppm (4)
MEASUREMENT #3:
Meter Reading for Zero Air: ppm (5)
Meter Reading for Calibration Gas: <u>507</u> ppm (6)
CALCULATE PRECISION:
$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{1}{1}$
= % (must be less than 10%)

BBR Q3



BBR SEN TRAIL 2020

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT

LANDFILL NAME:	Mcsu	в			
INSTRUMENT MAKE:	48	MODEL:	(160 B	_S/N:	<u></u>

Calibration Procedure

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe. Stable reading = $\frac{415}{2}$ ppm

3. Adjust meter to read 500 ppm.

Background Determination Procedure

1. Upwind Reading (highest in 30 seconds): 1. 0 ppm (1)

2. Downwind Reading (highest in 30 seconds): 7.7. ppm (2)

Calculate Background Value:

$$(1) + (2)$$

Background = $\underline{143}$ ppm

PERFORMED BY: $\underline{50}$ TIME: $\underline{9!11}$ DATE: $\underline{8/18}$

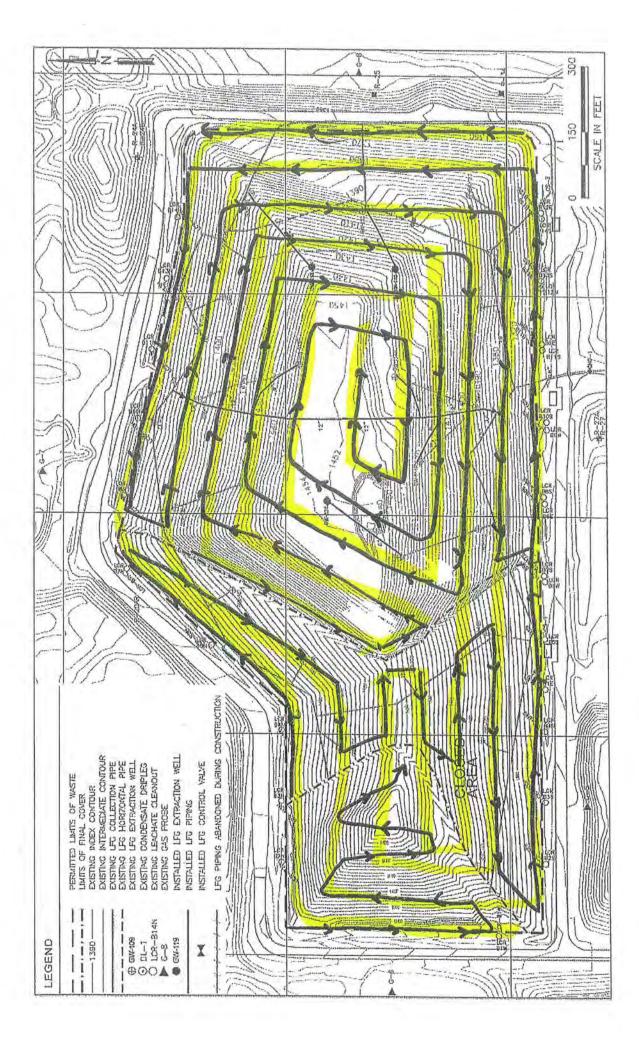
CALIBRATION PRECISION TEST RECORD

LANDFILL NAME: MCSW Arn B
INSTRUMENT MAKE:MODEL:S/N:
MEASUREMENT #1:
Meter Reading for Zero Air: ppm (1)
Meter Reading for Calibration Gas: <u>495</u> ppm (2)
MEASUREMENT #2:
Meter Reading for Zero Air: ppm (3) 5
Meter Reading for Calibration Gas: <u>497</u> ppm (4)
MEASUREMENT #3:
Meter Reading for Zero Air: $\frac{\partial}{\partial t_{0,7}}$ ppm (5) -7
Meter Reading for Calibration Gas: $\frac{2973}{2}$ ppm (6)
CALCULATE PRECISION: $\left \frac{\partial}{\partial z}\right ^2 = 4$
CALCULATE PRECISION: $ \frac{ \partial^{2}/3 = 4}{3} $ $ \frac{ 500 - (2) + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{100}{1} $ $ \frac{ \partial^{2}/3 = 4}{4/500} = .008 $
= $\frac{18}{18}$ % (must be less than 10%) 18

BQ3

PERFORMED BY: G TIME: $\underline{711}$ DATE: $\underline{8/16}$					
INSTRUMENT RESPONSE TIME TEST RECORD					
LANDFILL NAME: MISTER An B					
INSTRUMENT MAKE:MODEL:S/N:					
MEASUREMENT #1:					
Stabilized Reading Using Calibration Gas: <u>494</u> ppm					
90% of the Stabilized Reading: <u>444,</u> ppm					
Time to Reach 90% of Stabilized readingAfter switching from Zero Air toCalibration Gas 7_1 § D seconds (1)					
MEASUREMENT #2:					
Stabilized Reading Using Calibration Gas: ppm					
90% of the Stabilized Reading: <u>442.8</u> ppm					
Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas $3,75$ seconds (2)					
MEASUREMENT #3:					
Stabilized Reading Using Calibration Gas: <u> </u>					
90% of the Stabilized Reading:					
Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas <u><u>276</u> seconds (3)</u>					
CALCULATE RESPONSE TIME: $\frac{(1) + (2) + (3)}{3} \qquad \Big \frac{\zeta}{7}$					
= 3.76 Seconds (Must be less than 30 seconds)					

PERFORMED BY: 60 TIME: 9:27 DATE: 8/18**DAILY SURFACE MONITORING LOG** PERFORMED BY: start time: <u>9:27</u> DATE: $\frac{\delta}{8}$ LANDFILL NAME: MUSur Du B Location Identifier Location and Time **Concentration of** of Leak Leak (ppm)



CALIBRATION PROCEDURE & BACKGROUND DETERMINATION

LANDFILL NAME: 3812	
INSTRUMENT MAKE: Gale MODEL: 1000	- -
PERFORMED BY: 60 TIME: 10/25	21 DATE: 118pm
Calibration Procedure	
1. Allow instrument to internally zero itself while	introducing zero air.
2. Introduce the calibration gas into the probe.	
Stable reading = 507 ppm	
3. Adjust meter to read 500 ppm.	
Background Determination Procedure	
1. Upwind Reading (highest in 30 seconds):	-1.17 mm (1)
 Downwind Reading (highest in 30 seconds): 	<u>-7,17</u> ppm (1) <u>,78</u> ppm (2)
Calculate Background Value: $(1) + (2)$	ppm (2)
Background = $\frac{395}{\text{ppm}}$ 2	
DAILY SURFACE MO	NITORING LOG
e.,	
LANDFILL NAME: MUSU BBR	
EANDFILL NAME: 14090 99	
Location Identifier Location and Ti	me Concentration of
of Leak	Leak (ppm)
SE new Vault 1 1:37p	m 608
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DAD & DOLDANK	CARGO
And a constant	
SEM Hit Coopting	
Novim: 4899.27	
E autry: 18355.98	
Eleval." 1378.73	
P	

CALIBRATION PRECISION TEST RECORD

MEASUREMENT #1:

Meter Reading for Zero Air:

Meter Reading for Calibration Gas:

MEASUREMENT #2:

Meter Reading for Zero Air:

Meter Reading for Calibration Gas:

MEASUREMENT #3:

Meter Reading for Zero Air: Meter Reading for Calibration Gas:

0 _ ppm (5) 497 ppm (6)

CALCULATE PRECISION:

$$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{1}{1}$$

$$= \frac{1}{266\%} \text{ (must be less than 10\%)}$$

1.33 1.0026667

()_ ppm (1) 50/ ppm (2)

ppm (3) 498 ppm (4)

INSTRUMENT RESPONSE TIME TEST RECORD

MEASUREMENT #1:

90% of the Stabilized Reading:

Time to Reach 90% of Stabilized reading After switching from Zero Air to **Calibration Gas**

ppm ppm

seconds (1)

ppm

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas:

90% of the Stabilized Reading:

Time Reach 90% of Stabilized Reading After switching from Zero Air to **Calibration Gas**

445 5 ppm

495

seconds (2)

493 ppm

443.7 ppm

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas:

90% of the Stabilized Reading:

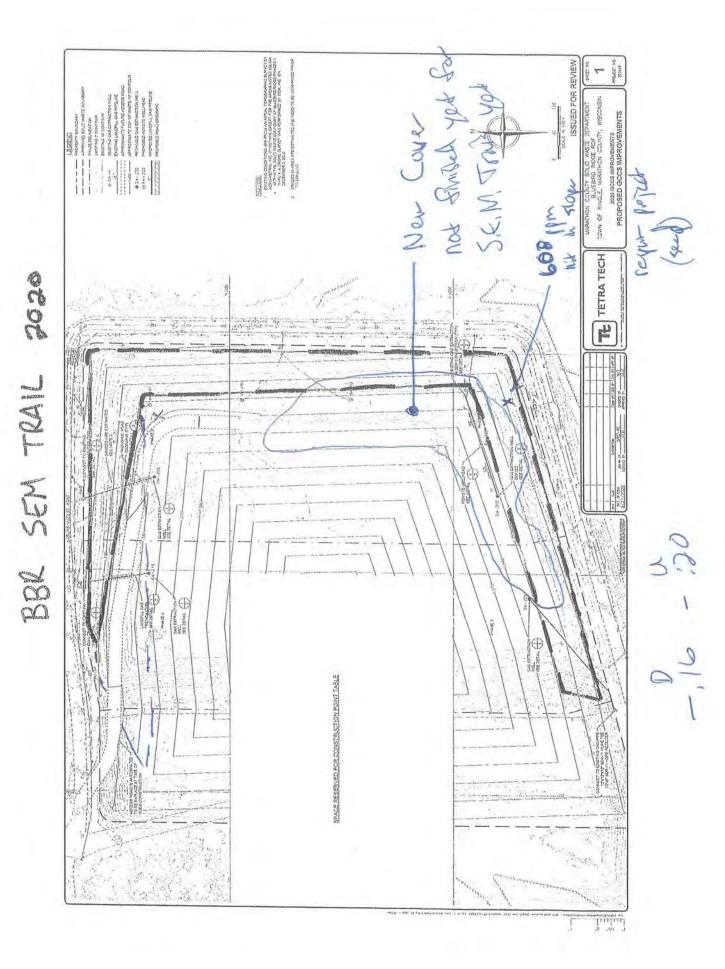
Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas

3.5 seconds (3)

CALCULATE RESPONSE TIME:

$$\frac{(1)+(2)+(3)}{3}$$

= 7,5873 SECONDS (MUST BE LESS THAN 30 SECONDS)



	BBK (D Dug
CALIBRATION & BACKGROUND DETERMINATION REPORT	QY
LANDFILL NAME: BBR 10-DAY Redu	
INSTRUMENT MAKE: $\underline{\neg} = \underline{\neg} = \underline{\neg}$	
Calibration Procedure	
1. Allow instrument to internally zero itself while introducing zero air.	
2. Introduce the calibration gas into the probe. Stable reading = <u>503</u> ppm	
3. Adjust meter to read 500 ppm.	
Background Determination Procedure	
1. Upwind Reading (highest in 30 seconds): <u>.47</u> ppm (1)	
2. Downwind Reading (highest in 30 seconds): <u></u>	
Calculate Background Value:	
$\frac{(1)+(2)}{2}$	
	of and time tool boot boot and some party and they party from party.

MEASUREMENT #1:

Meter Reading for Zero Air:

Meter Reading for Calibration Gas:

MEASUREMENT #2:

Meter Reading for Zero Air:

Meter Reading for Calibration Gas:

MEASUREMENT #3:

Meter Reading for Zero Air:OMeter Reading for Calibration Gas:S8/

ppm (1)

ppm (3)

ppm (4)

<u>507</u> ppm (2)

C

703

CALCULATE PRECISION:

$$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{1}{1} \qquad -, 0 > 7$$

$$= -\frac{7}{3} \% \text{ (must be less than 10\%)}$$

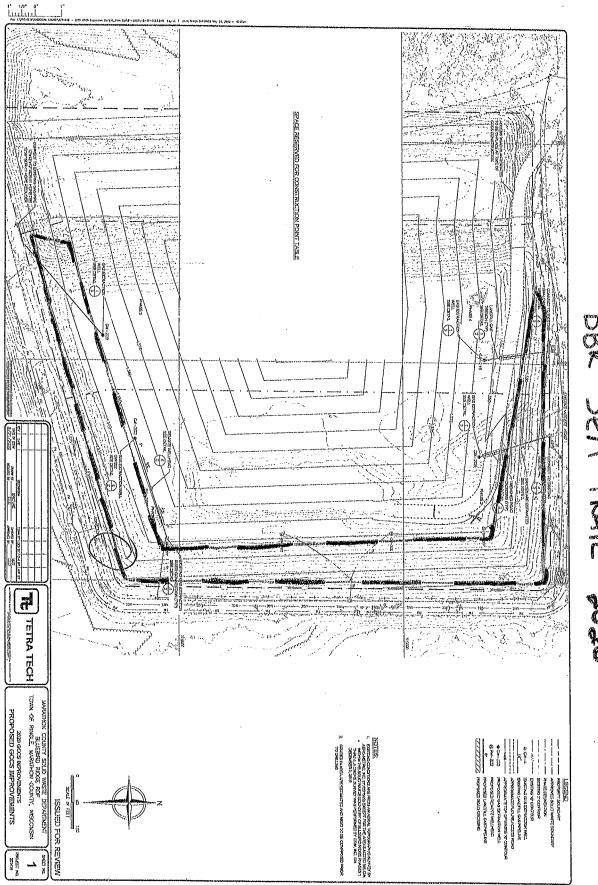
PERFORMED BY: $\underbrace{\textcircled{}}$ TIME: $\underbrace{11:47}$ DATE: $\underline{10/4}$

INSTRUMENT RESPONSE TIME TEST RECORD

LANDFILL NAME: BBR (D-1	Day Kertin
INSTRUMENT MAKE: <u><i>T</i></u> MODEL: _	loab s/N:
MEASUREMENT #1:	
Stabilized Reading Using Calibration Gas	503 ppm
90% of the Stabilized Reading:	477.7 ppm
Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas	<u>3.70</u> seconds (1)
MEASUREMENT #2:	
Stabilized Reading Using Calibration Gas	500 ppm
90% of the Stabilized Reading:	<u>450</u> ppm
Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas	3.80 seconds (2)
MEASUREMENT #3:	
Stabilized Reading Using Calibration Gas	: 478 ppm
90% of the Stabilized Reading:	<u> </u>
Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas	3.45 seconds (3)
CALCULATE RESPONSE TIME:	$\frac{(1)+(2)+(3)}{3} \qquad 11 \ 15/3 =$

= 3.7166 seconds (must be less than 30 seconds)

PERFORMED BY: START TIME: DATE: $\frac{10}{4}$ / 4 / LANDFILL NAME: BB	H K	
Location Identifier of Leak	Location and Time	Concentration of Leak (ppm)
SEM HTT 1' fre	grand soil	-/ line and
HIT wes Barlo	- Ag Planta	monal.
/	VO DETECT	



BBR SEN TRAIL 2020

CALIBRATION & BACKGROUND DETERMINATION	ON REPORT
LANDFILL NAME: MISW BQ4 + BBR 300AS feelent	BBR TO DAY
INSTRUMENT MAKE: The Film MODEL: TVA 1000B S/N: 011534813	7
Calibration Procedure 81070	0

BQU

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe. Stable reading = <u>495</u> ppm

3. Adjust meter to read 500 ppm.

Background Determination Procedure

- 1. Upwind Reading (highest in 30 seconds): <u>14(</u>ppm (1)

Calculate Background Value:

 $\frac{(1)+(2)}{2}$

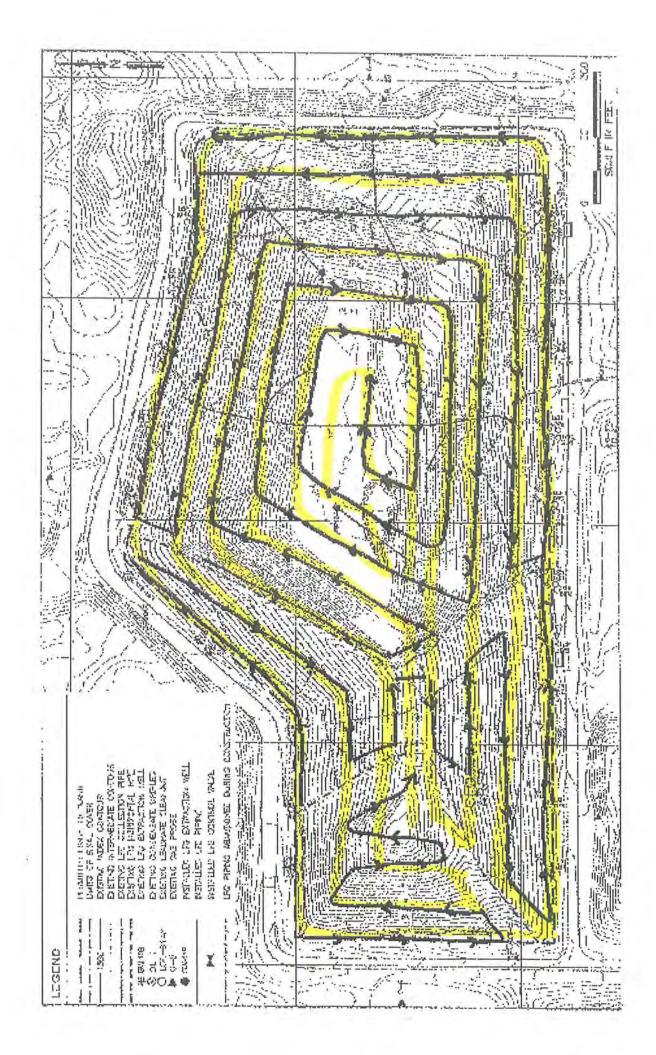
MEASUREMENT #1:

Meter Reading for Zero Air: ppm (1) 901 _ ppm (2) Meter Reading for Calibration Gas: **MEASUREMENT #2:** Meter Reading for Zero Air: ppm (3) 497 Meter Reading for Calibration Gas: ppm (4) -1+3,+4 **MEASUREMENT #3:** Meter Reading for Zero Air: ppm (5) 196 ppm (6) Meter Reading for Calibration Gas: CALCULATE PRECISION: $\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{100}{1}$

= $\frac{4}{10\%}$ (must be less than 10%)

INSTRUMENT RESPO	JNSE TIM	LE TEST REC
LANDFILL NAME: MUSH B		
INSTRUMENT MAKE:MODEL:	S/N:	~
MEASUREMENT #1:		
Stabilized Reading Using Calibration Gas:	503	_ ppm
90% of the Stabilized Reading:	4527	_ ppm
Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas	3.75	_ seconds (1)
MEASUREMENT #2:		
Stabilized Reading Using Calibration Gas:	501	_ ppm
90% of the Stabilized Reading:	4599	_ ppm
Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas	3.75	_ seconds (2)
MEASUREMENT #3:		
Stabilized Reading Using Calibration Gas:	497	_ ppm
90% of the Stabilized Reading:	447.3	_ ppm
Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas	3.75	_ seconds (3)
CALCULATE RESPONSE TIME:	(+(2) + (2))	
11	$\frac{(2)+(3)}{3}$	

PERFORMED BY: START TIME:		
DATE: [2:39		
LANDFILL NAME: <u>B-t</u>	BBR 30 DM	
Location Identifier of Leak	Location and Time	Concentration of Leak (ppm)
NO	DETECTS	



ATTACHMENT C

2021 LANDFILL GAS MAINLINE VOC TO-15 LAB REPORT

MCSWD Area A Annual Report March 2021

1 of 9 M102904



November 24, 2021



LA Cert #04140 EPA Methods TO3, TO14A, TO15, 25C/3C, RSK-175

> TX Cert T104704450-14-6 EPA Methods T014A, T015

UT Cert CA0133332015-3 EPA Methods TO3, TO14A, TO15, RSK-175

Tetra Tech ATTN: Lee Daigle 8413 Excelsior Dr., Suite 160 Madison, WI 53717

LABORATORY TEST RESULTS

Project Reference:Marathon County VOCProject Number:MCLF-2021-VOCLab Number:M102904-01/02

Enclosed are results for sample(s) received 10/29/21 by Air Technology Laboratories. Samples were received intact. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

Preliminary results were e-mailed to Lee Daigle on 11/23/21.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson Operations Manager MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

2 of 9 M102904

	18501 F. Gale Ave. Suite 130	CHAIN OF CUSTODY RECORD									
Project Name: Marathon Cty VOC Report To: LEE DAIGLE Company: TETRA TECH Street: <u>8413 ExCELSIOR DR SUIT 160</u> City/State/Zip: <u>MADISON WI 53717</u> Phone& Fax: <u>951-236-2526</u>	10				DELIVE		-	OF			
Laboratories,		Standard	X	48 hours	_	EDD		Condition u	pon receipt:		
	FX: 626-964-5832	Same Day		72 hours		EDF		1.1	Sealed Yes	No 🗌	
Project No .: MCLF - 2021	-VOC	24 hours		96 hours		LEVEL 3	3 🗆		Intact Yes	No 🗌	
Project Name: Marathon (t)	, VOC	Other:		_		LEVEL			Chilled	deg C	
			BILLI	ING			A	NALYSIS	REQUEST		
		P.O. No.:									
Street: 8413 ExCELS	TOR DR SUIT 160	Bill to: Ma	rathan	Cto Solio	1						
MATCONS		Wasts		1							
			State	Hopmay 2	9	4					
		Ringle	WI	0.7		10-15	0				
					œ.	1.000	4			. R	
LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	TAINE	2	30				
		SAN	SAN	MA	CONTAINER	41	m				
M102904-01 Mainlin	e VOC #1 (3670)	10/25/21	10:40cm	L	C	1	1				
V - Q "	#2 (1421)	J	11:16am		V	1	1				
· · ·	40 (1101)	×	11.10.11		1	-					
		-	-			-					
			· · · · · ·				-				
			·			- 1					
		i			- 3	1.11		1.1.1		-	
		1									
					-	-	-				
		1				_					
SAMPLED BY	COMPANY	DAT	E/TIME	COMMEN					21-		
Jalen Thomas	Totra lech			Serial	Ī	CH	i Ci	20	2 Dal 1.	re	
RELINQUISHED BY	DATE/TIME RECEIVED BY	DA	E/TIME			10.0	1 11	× 11	BY 17 6.9 10	10.	
Jalon Thomas/Tetra Tec	6 10/25/21		3	3670		43.8	· 36.	0/0 110	16 B. 86 10:	iven	
NAME/COMPANY	NAME/COMPANY	ala 11-	25	ino.		1	1 200	w 0.9	8 14.28 11.1	i.	
NAME/COMPANY	1/2 NAMELOMPANY	1/2 111	35	1421		49.12	15.8	10	10 110 11.1	1 61 m	
THE COMPACT	TY IN DOLEDINF AIRT										

Client:	Tetra Tech
Attn:	Lee Daigle
Project Name:	Marathon County VOC
Project No .:	MCLF-2021-VOC
Date Received:	10/29/2021
Matrix:	Air

					_				_
	Lab No.:	M1029	004-01	M1029	004-02				
Client	Sample I.D.:	Mainline VOC #1		Mainline VOC #2					
Date/T	ime Sampled:	10/25/2	10/25/21 10:40		10/25/21 11:16				-
Date/Ti	me Analyzed:	11/9/2	1 7:59	11/9/21 8:44		1.000			
Q	C Batch No.:	2111090	GC8A1	211109GC8A1				4	
Ar	alyst Initials:	CI	М	СМ				4	
Di	lution Factor:	3.	4	4.	4.6				
ANALYTE	(Units)	Result	RL	Result	RL		11		
Nitrogen	(% v/v)	16	3.4	16	4.6				
Oxygen/Argon	(% v/v)	1.9	1.7	ND	2.3				
Carbon Dioxide	(% v/v)	35	0.034	35	0.046				
Methane	(% v/v)	48	0.0034	48	0.0046			1	
Carbon Monoxide	(% v/v)	ND	0.0034	ND	0.0046				

RL = Reporting Limit

ND = Not detected at or above the RL.

Reviewed/Approved By:

12

Date 11-2221

Mark Johnson Operations Manager

The cover letter is an integral part of this analytical report

1

18501 E. Gale Avenue, Suite 130 . City of Industry, CA 91748 . Ph: (626) 964-4032 . Fx: (626) 964-5832

Client:	Tetra Tech
Attn:	Lee Daigle
Project Name:	Marathon County VOC
Project No.:	MCLF-2021-VOC
Date Received:	10/29/21
Matrix:	Air
Reporting Units:	ppbv

Lab No.:	M10290	M102904-01		04-02			
Client Sample I.D.:	Mainline	VOC #1	Mainline VOC #2				
Date/Time Sampled:	10/25/21	10:40	10/25/21	11:16			
Date/Time Analyzed:	11/15/21	9:30	11/15/21	10:06			
QC Batch No.:	211114M	IS2A1	211114M	IS2A1			
Analyst Initials:	DT	DT					
Dilution Factor:	10		14		-		
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv			
Dichlorodifluoromethane (12)	ND	10	180	14	-		
Chloromethane	33	20	ND	28			
1,2-Cl-1,1,2,2-F ethane (114)	ND	10	ND	14			
Vinyl Chloride	1,100	10	1,200	14			
Bromomethane	ND	10	ND	14			
Chloroethane	100	20	130	28		$\tilde{c} \rightarrow 1$	
Trichlorofluoromethane (11)	340	10	360	14			
1,1-Dichloroethene	ND	10	ND	14			
Carbon Disulfide	290	20	280	28			
1,1,2-Cl 1,2,2-F ethane (113)	ND	10	ND	14	1.2.2		
Acetone	5,600 d	20	4,900 d	28		1.	
Methylene Chloride	64	10	58	14		1	
t-1,2-Dichloroethene	28	10	24	14		1.11	
1,1-Dichloroethane	56	10	53	14		1	
Vinyl Acetate	ND	10	ND	14			
c-1,2-Dichloroethene	130	10	150	14			
2-Butanone	3,700 d	10	2,000	14			
t-Butyl Methyl Ether (MTBE)	ND	10	ND	14			
Chloroform	ND	10	ND	14			
1,1,1-Trichloroethane	ND	10	ND	14			
Carbon Tetrachloride	ND	10	ND	14			
Benzene	360	10	230	14			
1,2-Dichloroethane	120	10	94	14	h	-	
Trichloroethene	31	10	ND	14		-	 _
1,2-Dichloropropane	ND	10	ND	14			
Bromodichloromethane	ND	10	ND	14			
c-1,3-Dichloropropene	ND	10	ND	14			
4-Methyl-2-Pentanone	ND	10	ND	14	C	1	
Toluene	1,400	10	390	14	h		 _
t-1,3-Dichloropropene	21	20	ND	28	_		_

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

Client:	Tetra Tech
Attn:	Lee Daigle
Project Name:	Marathon County VOC
Project No.:	MCLF-2021-VOC
Date Received:	10/29/21
Matrix:	Air
Reporting Units:	ppbv

		EPA Me	thod TO15	5		
Lab No.:	M1029	04-01	M1029	04-02		
Client Sample I.D.:	Mainline	Mainline VOC #1		VOC #2		
Date/Time Sampled:	10/25/21	10:40	10/25/21	11:16		
Date/Time Analyzed:	11/15/2	1 9:30	11/15/21	10:06		
QC Batch No.:	211114N	AS2A1	211114N	AS2A1		
Analyst Initials:	D	ſ	D	Г		
Dilution Factor:	10)	14			
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv		
1,1,2-Trichloroethane	ND	10	ND	14		
Tetrachloroethene	30	10	ND	14	1	
2-Hexanone	ND	10	ND	14		
Dibromochloromethane	ND	10	ND	14		
1,2-Dibromoethane	ND	10	ND	14		
Chlorobenzene	ND	10	ND	14		
Ethylbenzene	260	10	27	14		
p,&m-Xylene	330	10	38	14	E	
o-Xylene	140	10	15	14		
Styrene	ND	10	ND	14		
Bromoform	ND	10	ND	14		
1,1,2,2-Tetrachloroethane	ND	10	ND	14		
Benzyl Chloride	ND	25	ND	34		
4-Ethyl Toluene	41	10	ND	14		
1,3,5-Trimethylbenzene	14	10	ND	14	4	
1,2,4-Trimethylbenzene	37	10	ND	14	12000	
1,3-Dichlorobenzene	ND	10	ND	14		
1,4-Dichlorobenzene	ND	10	ND	14		
1,2-Dichlorobenzene	ND	10	ND	14		· · · · · · · · · · ·
1,2,4-Trichlorobenzene	ND	10	ND	14	1	
Hexachlorobutadiene	ND	10	ND	14		

ND = Not Detected (below RL)

RL = Reporting Limit

d = Result obtained from secondary dilution. Batch No.: 211115MS2A1

Reviewed/Approved By:

Mark Johnson **Operations Manager**

16

The cover letter is an integral part of this analytical report

AITTECHNOLOGY Laboratories, Inc.

Date /1-7/-7/

18501 E. Gale Avenue, Suite 130 + City of Industry, CA 91748 + Ph: (626) 964-4032 + Fx: (626) 964-5832

Client:	Tetra Tech
Attn:	Lee Daigle
Project Name:	Marathon County VOC
Project No.:	MCLF-2021-VOC
Date Received:	10/29/21
Matrix:	Air
Reporting Units:	ppbv

L

	1	EPA Met	hod TO1	5		
Lab No.;	Method	Blank	Method	Blank		
Client Sample I.D.:						
Date/Time Sampled:	-					
Date/Time Analyzed:	11/15/2	1 2:31	11/15/21	1 18:08		
QC Batch No.:	211114M	AS2A1	211115	MS2A1		
Analyst Initials:	D	Г	D'	Г		
Dilution Factor:	0.2	0	0.2	20		
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv		
Dichlorodifluoromethane (12)	ND	0.20	ND	0.20		
Chloromethane	ND	0.40	ND	0.40		
1,2-Cl-1,1,2,2-F ethane (114)	ND	0.20	ND	0.20		
Vinyl Chloride	ND	0.20	ND	0.20		
Bromomethane	ND	0.20	ND	0.20		
Chloroethane	ND	0.40	ND	0.40		
Trichlorofluoromethane (11)	ND	0.20	ND	0.20		
1,1-Dichloroethene	ND	0.20	ND	0.20		
Carbon Disulfide	ND	0.40	ND	0.40	· · ·	
1,1,2-Cl 1,2,2-F ethane (113)	ND	0.20	ND	0.20		
Acetone	ND	0.40	ND	0.40		
Methylene Chloride	ND	0.20	ND	0.20		
t-1,2-Dichloroethene	ND	0.20	ND	0.20		
1,1-Dichloroethane	ND	0.20	ND	0.20		
Vinyl Acetate	ND	0.20	ND	0.20		L
c-1,2-Dichloroethene	ND	0.20	ND	0.20		
2-Butanone	ND	0.20	ND	0.20		
t-Butyl Methyl Ether (MTBE)	ND	0.20	ND	0.20		
Chloroform	ND	0.20	ND	0.20		
1,1,1-Trichloroethane	ND	0.20	ND	0.20		
Carbon Tetrachloride	ND	0.20	ND	0.20		
Benzene	ND	0.20	ND	0.20		
1,2-Dichloroethane	ND	0.20	ND	0.20		
Trichloroethene	ND	0.20	ND	0.20		
1,2-Dichloropropane	ND	0.20	ND	0.20		
Bromodichloromethane	ND	0.20	ND	0.20		
c-1,3-Dichloropropene	ND	0.20	ND	0.20		
4-Methyl-2-Pentanone	ND	0.20	ND	0.20		
Toluene	ND	0.20	ND	0.20		

AITTECHNOLOGY Laboratories, Inc. -

M102904

18501 E. Gale Avenue, Suite 130 + City of Industry, CA 91748 + Ph: (626) 964-4032 + Fx: (626) 964-5832

Client:	Tetra Tech
Attn:	Lee Daigle
Project Name:	Marathon County VOC
Project No.:	MCLF-2021-VOC
Date Received:	10/29/21
Matrix:	Air
Reporting Units:	ppbv

	1	EPA Met	hod TO1	5		
Lab No.:	Method	Blank	Method	Blank		
Client Sample I.D.:						
Date/Time Sampled:		- 1				
Date/Time Analyzed:	11/15/2	1 2:31	11/15/21	18:08		
QC Batch No.:	211114M	MS2A1	211115	AS2A1		
Analyst Initials:	D	Г	D	Г		
Dilution Factor:	0.2	:0	0.2	0		
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv		
t-1,3-Dichloropropene	ND	0.40	ND	0.40		
1,1,2-Trichloroethane	ND	0.20	ND	0.20		
Tetrachloroethene	ND	0.20	ND	0.20	1 1 3	
2-Hexanone	ND	0.20	ND	0.20		
Dibromochloromethane	ND	0.20	ND	0.20		
1,2-Dibromoethane	ND	0.20	ND	0.20		
Chlorobenzene	ND	0.20	ND	0.20	1	
Ethylbenzene	ND	0.20	ND	0.20		
p,&m-Xylene	ND	0.20	ND	0.20		
o-Xylene	ND	0.20	ND	0.20		
Styrene	ND	0.20	ND	0.20		· · · · · · ·
Bromoform	ND	0.20	ND	0.20		
1,1,2,2-Tetrachloroethane	ND	0.20	ND	0.20		
Benzyl Chloride	ND	0.50	ND	0.50		1
4-Ethyl Toluene	ND	0.20	ND	0.20		1
1,3,5-Trimethylbenzene	ND	0.20	ND	0.20		
1,2,4-Trimethylbenzene	ND	0.20	ND	0.20		
1,3-Dichlorobenzene	ND	0.20	ND	0.20		
1,4-Dichlorobenzene	ND	0.20	ND	0.20		
1,2-Dichlorobenzene	ND	0.20	ND	0.20		
1,2,4-Trichlorobenzene	ND	0.20	ND	0.20		
Hexachlorobutadiene	ND	0.20	ND	0.20		

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By:

Mark Johnson

Operations Manager

The cover letter is an integral part of this analytical report

AITTECHNOLOGY Laboratories, Inc.

M102904

Date_11-21-21

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 211114MS2A1

Matrix: Air

Reporting Units: ppbv

		LABORA		Method T NTROL S.	°O15 AMPLE SU	MMARY					
Lab No.:	METHOD BLANK				/LCS		LCSD				
Date/Time Analyzed: Analyst Initials:		/21 2:31 DT			21 1:19 DT	5,11,527	/21 1:54 DT	4.1			
Dilution Factor:		.20		DT 1.0		1.0					
ANALYTE	Result ppbv	RL ppbv	AMT. ppbv	Result ppbv	% Rec.	Result ppbv	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
1,1-Dichloroethene	ND	0.20	10	10.6	106	9.55	95.5	10.6	70	130	30.0
Methylene Chloride	ND	0.20	10	11.3	113	10.2	102	9.8	70	130	30.0
Trichloroethene	ND	0.20	10	9.04	90,4	8.97	89.7	0.8	70	130	30.0
Toluene	ND	0.20	10	8.78	87.8	8.79	87.9	0.2	70	130	30.0
1,1,2,2-Tetrachloroethane	ND	0.20	10	9.13	91.3	9.18	91.8	0.5	70	130	30,0

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By:

Mark Johnson **Operations Manager**

The cover letter is an integral part of this analytical report

Date: 11-21-21

page 1 of 1

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 211115MS2A1

Matrix: Air

Reporting Units: ppbv

	LABORA	100 m (000 m)		the second second second second	MMARY					
METHO	METHOD BLANK		L	CS	LCSD		-	T		
Date/Time Analyzed: 11/15/21 18:08 Analyst Initials: DT Dilution Factor: 0.20		1	11/15/2	21 16:54	11/15/	21 17:30	-			
			DT 1.0		DT 1.0		1.00			
		1. A.								
Result ppbv	RL ppby	AMT. ppbv	Result ppbv	% Rec.	Result ppbv	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
ND	0.20	10	9.86	98.6	9.54	95.4	3.3	70	130	30.0
ND	0.20	10	10.0	100	10.1	101	0.6	70	130	30.0
ND	0.20	. 10	9.20	92.0	9.01	90.1	2.0	70	130	30.0
ND	0.20	10	8.81	88.1	8.62	86.2	2.2	70	130	30.0
ND	0.20	10	9.14	91.4	9.09	90.9	0.5	70	130	30.0
	11/15/ 0 Result ppbv ND ND ND ND	METHOD BLANK 11/15/21 18:08 DT 0.20 Result ppbv RL ppbv ND 0.20 ND 0.20 ND 0.20 ND 0.20 ND 0.20 ND 0.20	LABORATORY CO METHOD BLANK 11/15/21 18:08 DT 0.20 Result AMT. ppbv RL ppbv Ppbv ND 0.20 10 ND 0.20 10 ND 0.20 10 ND 0.20 10	LABORATORY CONTROL S. METHOD BLANK L 11/15/21 18:08 11/15/2 DT 11/15/2 0.20 1 Result AMT. Result ppbv RL ppbv ppbv ND 0.20 10 9.86 ND 0.20 10 9.20 ND 0.20 10 9.20 ND 0.20 10 9.20 ND 0.20 10 9.20 ND 0.20 10 8.81	METHOD BLANK LCS 11/15/21 18:08 11/15/21 16:54 DT DT 0.20 1.0 Result AMT. ppbv RL ppbv DD 0.20 ND 0.20 10 9.86 ND 0.20 10 9.20 ND 0.20 ND 0.20 10 9.20 92.0 10 ND 0.20 10 8.81	LABORATORY CONTROL SAMPLE SUMMARY METHOD BLANK LCS L0 11/15/21 18:08 11/15/21 16:54 11/15/ DT DT DT DT 0.20 10 9.86 98.6 9.54 ND 0.20 10 9.20 92.0 9.01 ND 0.20 10 9.20 92.0 9.01	LABORATORY CONTROL SAMPLE SUMMARY METHOD BLANK LCS LCSD 11/15/21 18:08 11/15/21 16:54 11/15/21 17:30 DT DT DT 0.20 1.0 1.0 Result AMT. Result Result Ppbv % Rec. Ppbv % Rec. ND 0.20 10 9.86 98.6 9.54 95.4 ND 0.20 10 10.0 100 101 101 ND 0.20 10 9.20 92.0 9.01 90.1 ND 0.20 10 8.81 8.62 86.2	LABORATORY CONTROL SAMPLE SUMMARY METHOD BLANK LCS LCSD 11/15/21 18:08 11/15/21 16:54 11/15/21 17:30 DT DT DT 0.20 1.0 1.0 Result ppbv AMT. Ppbv Result ppbv Result ppbv % Rec. PPD ND 0.20 10 9.86 98.6 9.54 3.3 ND 0.20 10 10.0 10.1 101 0.6 ND 0.20 10 9.20 92.0 9.01 90.1 2.0 ND 0.20 10 8.81 88.1 8.62 86.2 2.2	LABORATORY CONTROL SAMPLE SUMMARY METHOD BLANK LCS LCSD 11/15/21 18:08 11/15/21 16:54 11/15/21 17:30 DT DT DT 0.20 1.0 1.0 Result ppbv AMT. RL ppby Result ppbv Result ppbv Result ppbv Result ppbv Result ppbv Result ppbv Mathematical ppbv Low %Rec. ND 0.20 10 9.86 98.6 9.54 3.3 70 ND 0.20 10 10.0 100 10.1 101 0.6 70 ND 0.20 10 9.20 9.01 90.1 2.0 70 ND 0.20 10 8.81 8.62 86.2 2.2 70	LABORATORY CONTROL SAMPLE SUMMARY METHOD BLANK LCS LCSD II/15/21 18:08 II/15/21 18:08 II/15/21 16:54 II/15/21 17:30 II/15/21 000000000000000000000000000000000000

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By:

Mark Johnson Operations Manager

Date: 11-21-21

The cover letter is an integral part of this analytical report

AITTECHNOLOGY Laboratories, Inc. -

page 1 of 1

ATTACHMENT D

AREA A 2021 LEACHATE LINE JETTING REPORT

MCSWD Area A Annual Report March 2021 **ONORTHERNPIPE**, INC. CLEAN - INSPECT - REPAIR

1772 S Vandenberg Road Green Bay, Wisconsin 54311 920-468-7074 | info@northernpipeinc.com Marathon County Landfill Leachate Cleaning 6/29/2021 - 6/30/2021 Vactor w/ 1,200' of 3/4" hose

					ARE	AA	
CLEANOUT	CLEANOUT PIPE		TOTAL	FT JETTED	FT JETTED	TOTAL	
ACCESS POINT	ş	SIZE	LENGTH (FT)	(S)	(N)	JETTED	COMMENTS
	1	8	1,180	285	540	825	Stops at 285' from South and 540' from North
	2	6	1,040	750	340	1,090	Overlap achieved - line is good
	3	6	1,040	1,040	<u> </u>	1,040	Jetted from south, line is good
	4	8	1,180	170	1,100	1,270	Stops at 170' from South, overlap achieved from North
	5	6	1,040	825	320	1,145	Overlap achieved - line is good
	6	6	1,040	600	550	1,150	Overlap achieved - line is good
	7	8	460	330		330	Stops at 330' from West
Gas Condensate	Line	1	280			280	Line is good
			7,260			7,130	

3,000 gallons of water used

AREA B

CLEANOUT	-	PIPE	TOTAL	FT JETTED	FT JETTED	TOTAL	
ACCESS POINT	S	SIZE	LENGTH (FT)	(E/S)	(W/N)	JETTED	COMMENTS
	1	12	660	660	14 I.	660	From B1E - line is good
	2	12	500	500	127	500	From B2S - line is good
	3	12	505	505	673	505	From B3S - line is good
	4	12	510	510		510	From B4S - line is good
	5	12	660	660		660	From B5S - line is good
	6	12	280	280		280	From B6E - line is good
	7	12	850	850	-	850	From B7S - line is good
	8	12	875	875	-	875	From B8S - line is good
	9	12	305	305	100	305	From B9E - line is good
	10	12	840	840	()	840	From B10S - line is good
	11	12	795	795		795	From B11S - line is good
	12	12	270	270	845 	270	From B12E - line is good
	13	12	750	750	2	750	From B13S - line is good
	14	12	725	725	(J. 2)	725	From B14S - line is good
			8,525			8,525	

6,000 gallons of water used

BLUE BIRD RIDGE

CLEANOUT	PIPE	TOTAL	FT JETTED	FT JETTED	TOTAL	
ACCESS POINT	SIZE	LENGTH (FT)	(N)	(S)	JETTED	COMMENTS
LCR 12 TO LCR 11	6	1,180	800	430	1,230	Overlap achieved - line is good
LCR 8 TO LCR 9	6	1,144	800	400	1,200	Overlap achieved - line is good
LCR 10 TO LOOP 7	6	650	250	450	700	Overlap achieved - line is good
LCR 6 TO LCR 4	6	1,070	800	350	1,150	Overlap achieved - line is good
LCR 2 TO LCR 3	6	1,020	900	200	1,100	Overlap achieved - line is good
LCR 5 TO LOOP 1	6	395		395	395	Overlap achieved - line is good
LCR 14 TO LCR 15	6	1,200	600	650	1,250	Overlap achieved - line is good
LCR 16 to Unknown	n 6	Unknown		200	200	Not all in yet - line is good
		6,659			7,225	

3,500 gallons of water used

ATTACHMENT F

EXCEEDANCE REPORTS FOR AREA A GROUNDWATER MONITORING APRIL AND OCTOBER 2021



Marathon County Solid Waste Department 172900 E. Hwy 29 Ringle, WI 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

May 14, 2021

Wisconsin Department of Natural Resources Bureau of Solid Waste Management GEMS Data Submittal Contact, WA/3 P.O. Box 7921 Madison, WI 53707-7921

RE: Exceedance of Groundwater Standards for Marathon County Landfill: License No. 2892 Area A

In accordance with NR 140, please accept this notification of groundwater monitoring results for the reporting period of April 2021. An exceedance table has been attached for the Area A landfill and can be found on the following page.

If you have any questions, please contact me.

Thank you,

David Hagenbucher Operations Manager Marathon County Solid Waste

C.c: Nathan Coller, Aaron Kent, Megan Ballweg, Sally Hronek, Meleesa Johnson, Lee Daigle, Mark Torresani.

	Marathon County Solid Waste Mgmt Dept: Area A Groundwater Monitoring Wells												
	Exceedances												
Lab ID	NLS Project	Date	License #	FID	Well Desc (Point ID)	Parameter	Units	Result	PAL/ACL	ES	Comment		
721026460	364342	April 1 2021	02892	737054890	Dup- (074)	Tetrachloroethylene	ug/L	1.4	0.5	5	NR140,10		
721026460	364342	April 1 2021	02892	737054890	Dup- (074)	Trichloroethylene	ug/L	3,5	0.5	5	NR140.10		
721026460	364342	April 1 2021	02892	737054890	Dup- (074)	Vinyl Chloride	ug/L	0.21	0.02	0.2	NR140.10		
721026460	364342	April 1 2021	02892	737054890	R13R (074)	Tetrachloroethylene	ug/L	1.2	0.5	5	NR140.10		
721026460	364342	April 1 2021	02892	737054890	R13R (074)	Trichloroethylene	ug/L	3,2	0,5	5	NR140.10		
721026460	364342	April 1 2021	02892	737054890	R13R (074)	Vinyl Chloride	ug/L	0.2	0.02	0.2	NR140.10		
721026460	364342	April 1 2021	02892	737054890	R38 (053)	Tetrachloroethylene	ug/L	0.62	0.5	5	NR140.10		
721026460	364342	April 1 2021	02892	737054890	R38 (053)	Trichloroethylene	ug/L	1.4	0,5	5	NR140.10		
721026460	364342	April 1 2021	02892	737054890	R38 (053)	Vinyl Chloride	ug/L	0,19	0,02	0.2	NR140.10		
721026460	364342	April 1 2021	02892	737054890	R35 (050)	Conductivity	umho@25C	1100	510	-	well		

Area A Groundwater Well Exceedance Table April 2021

The Area A exceedances that were detected during the April 2021 sampling event are consistent with the exceedances that were detected in previous sampling events.

Groundwater contamination was detected southeast of Area A during the late 1980s. By May of 1993, Marathon County completed a groundwater quality investigation and submitted a report to WDNR titled "Marathon County, Area A Landfill – Environmental Contamination Assessment (ECA) report". The ECA report suggested that contaminants may have been released to the environment from one or more of the leachate collection basins and other source locations. Consequently, several improvements were made and both leachate collection basins were removed in 1995. The identified groundwater contaminants of primary concern at this facility are VOCs, specifically the chlorinated aliphatic hydrocarbons (CAHs) and vinyl chloride. Since the remedial work from 1993 to 1996, significant reductions of CAH concentration have been measured near the suspected source zone.

It is the opinion of Marathon County that the exceedances are related to the leachate basins that were removed in 1995. The overall general concentrations reported at wells within the core of the plume are stable to decreasing. Marathon County will continue to monitor these wells for exceedances as required, and report any anomalies to the WDNR. Marathon County has installed groundwater monitoring wells along State Highway 29, just southeast of the site. If these particular wells begin showing signs of contamination, the County has a contingency plan in place and will respond to protect residents.

2

State of Wisconsin Department of Natural Resources

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats, When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- * Prepare one form for each license or monitoring ID.
- * Please type or print legibly.
- * Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- * Attach a notification of any gas values that attain or exceed explosive gas levels.
- * Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact WA/5

GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921

Monitoring Data Submittal Information Name of entity submitting data (laboratory, consu			<u>na zrazna zrazni zna zakoleta za zakona z</u>
Northern Lake Service, Inc.	· · · · · · · · · · · · · · · · · · ·		
Contact for questions about data formatting. Inclu-			ess:
Name: Chris Geske	Phone: 715-4	78-2777	
E-mail: lims@nlslab.com			
Facility Name Marathon County Landfill - Area A	License No. / Monitoring ID 02892	Facility ID [FID] 737054890	Actual sampling dates (e.g., July 2-6, 200) APRIL -13-2021
	02092	757054690	
Some Area A wells are linked to BRRDF site (Lic			
04228) but reported here.			
The enclosed results are for sampling required in APRIL -2021	the month(s) of: (e.g., June 2003)		I
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring Groundwater monitoring data from private wa Leachate monitoring data	President of the Presid	nitoring data oring data pecify)	
No. No groundwater standards or explosive gas limits were of Yes, a notification of values exceeding a groundwater standar groundwater standard and preliminary analysis of the cau Yes, a notification of values exceeding an explosive gas limit explosive gas limits.	ard is attached. It includes a list of monitoring point se and significance of any concentration,		
Certification To the best of my knowledge, the information are true and correct. Furthermore, I have attac groundwater standards or explosive gas levels concentrations exceeding groundwater standards	hed complete notification of any sa s, and a preliminary analysis of the c	mpling values meeting	g or exceeding
David Hagenbrcher Facility Representative Name (Print)	Manager		17/5 551 5864 Area Code) Telephone No.
Facility Representative Name (Print)		(Area Code) Telephone No.
Daniel Itan C	05/14/21		
Signature	Date		
Found uploading problems on a contact of problems on a contact of problems on a contact of problems on	i taken, and record date and your in initials Upload (initial submittal and follow-up)	ed data successfully c	<u>n</u>

Mgmnt Dept	l - Area A	
Marathon County Solid Waste Mgmnt Dept	Marathon County Landfill - Area A	04-01-2021

Lab ID: 721026460 NLS Project: 364342 Collected: 04-01-2021 License: 02892 FID: 737054890

EXCEEDANCES:

Comments	NR140.10	NR140.10	NR140.10	NR140.10	NR140.10	NR140.10	NR140.10	NR140.10	NR140.10	well
ES	5	5	6	5	5	2	5	5	17	
PAL / ACL	.5	Ŀ.	.02	.5	Ŀ.	.02	.5	5.	.02	510
Result	1.4	3.5	0.21	1.2	3.2	0.20	0.62	1.4	0.19	1100
Units	ng/L	ng/L	-1/ôn	ng/L	ng/L	T/6n	ng/L	ng/L	ng/L	umho@25C
Parameter	Tetrachloroethylene	Trichloroethylene	Vinyl Chloride	Tetrachloroethylene	Trichloroethylene	Vinyl Chloride	Tetrachloroethylene	Trichloroethylene	Vinyl Chloride	Conductivity
Well Desc (Point ID)	Dup-041321 (074)	Dup-041321 (074)	Dup-041321 (074)	R13R (074)	R13R (074)	R13R (074)	R38 (053)	R38 (053)	R38 (053)	R35 (050)

Notes: site = site assigned PAL/ES : well = well assigned PAL/ES : NR140.10 = NR140 Public Health PAL/ES : NR140.12 = NR140 Public Welfare PAL/ES



marathoncountysolidwaste.org

Marathon County Solid Waste Department 172900 E. Hwy 29 Ringle, WI 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

May 14, 2021

Wisconsin Department of Natural Resources Bureau of Solid Waste Management GEMS Data Submittal Contact, WA/3 P.O. Box 7921 Madison, WI 53707-7921

RE: Exceedance of Groundwater Standards for Marathon County Landfill, License No. 3338 Area B.

In accordance with NR 140, please accept this notification of groundwater monitoring results for the reporting period of April 2021. No exceedances were present for Area B.

If you have any questions, please contact me.

Thank you,

David Hagenbucher Operations Manager Marathon County Solid Waste

C.c: Nathan Coller, Aaron Kent, Megan Ballweg, Sally Hronek, Meleesa Johnson, Lee Daigle, Mark Torresani.

Area B Groundwater Well Exceedance Table April 2021

No table for April 2021 as no exceedances were present.

R27 on the south side of Area B has historically had increased Nitrate/Nitrite levels. The levels continue to decrease over time, and they may have been a result of improper farming practices. Throughout the past few years, Area B has had ongoing vegetation management to establish growth on slopes. Seed, fertilizer, and mulch have all been applied in an effort to control erosion. Well R27 has indicated a decrease in concentration since the previous sampling event in April. The well will continue to be monitored closely to ensure that levels decrease. In effort to ensure that levels decrease, Marathon County will evaluate their erosion control methods in addition to continued observation of well R27. Current site plans include the installation of a final cap on the Area B landfill within the next few years; this will also control erosion and potential runoff issues at the wells around the landfill.

State of Wisconsin Department of Natural Resources

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- * Prepare one form for each license or monitoring ID.
- * Please type or print legibly.
- * Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- * Attach a notification of any gas values that attain or exceed explosive gas levels.
- * Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS

 GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources

P.O. Box 7921

Madison, WI 53707 - 7921

Monitoring Data Submittal Information Name of entity submitting data (laboratory, consultar	nt, facility owner):		
Northern Lake Service, Inc.			
Contact for questions about data formatting. Include	e data preparer's name, telephone n	umber and E-mail addre	ess:
Name: Chris Geske	Phone: 715-47	8-2777	
E-mail: lims@nlslab.com			
Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003
Marathon County Landfill - Area B	03338	737092730	APRIL -12-2021
The enclosed results are for sampling required in the APRIL -2021	e month(s) of: (e.g., June 2003)		
Type of Data Submitted (Check all that apply Groundwater monitoring data from monitoring w Groundwater monitoring data from private water Leachate monitoring data	supply wells	nitoring itoring data	
Notification attached?			
No. No groundwater standards or explosive gas limits were exceeding a groundwater standard of groundwater standard and preliminary analysis of the cause a Yes, a notification of values exceeding an explosive gas limit is a explosive gas limits.	is attached. It includes a list of monitoring point and significance of any concentration.		
Certification			
To the best of my knowledge, the information rep are true and correct. Furthermore, I have attache groundwater standards or explosive gas levels, a concentrations exceeding groundwater standard	ed complete notification of any sa and a preliminary analysis of the	ampling values meetin cause and significant	ng or exceeding of
David Hagenbucher	Manager	7	15 551 5864
Facility Representative Name (Print)	Title	(/	Area Code) Telephone No.
DJ. Hard	15/14/20		
Signature	Date		
FOR DNR USE ONLY. Check action to	akan and record date and your in	itiale Describe on ha	ant side if nacessary
	Initials		and side is negested in
Notified contact of problems on		ded data successfully	pn
EDD format(s): Diskette CD (and the second se	
	and the second second	El an francis de an	

	PAL / ACL ES Comments	Notes: sito = sito assigned PAL/ES : well = well assigned PAL/ES : NR140.10 = NR140 Public Welfare PAL/ES
	Result	lic Health PAL/ES :
Vaste Mgmnt Dept ndfill - Area B 21	Units	: NR140.10 = NR140 Pub
Marathon County Solid Waste Mgmnt Dept Marathon County Landfill - Area B 04-01-2021	Parameter	ES : well = well assigned PAL/EG
Lab ID: 721026460 NLS Project: 364248 Collected: 04-01-2021 License: 03338 FID: 737092730	EXCEEDANCES: Well Desc (Point ID)	Notes: site = site assigned PAL/E



marathoncountysolidwaste.org

May 14, 2021

Wisconsin Department of Natural Resources Bureau of Solid Waste Management GEMS Data Submittal Contact, WA/3 P.O. Box 7921 Madison, WI 53707-7921

RE: Exceedance of Groundwater Standards for Marathon County Landfill, License No.4228 BRRDF.

In accordance with NR 140, please accept this notification of groundwater monitoring results for the reporting period of April 2021. An exceedance table has been attached for the Bluebird Ridge Landfill and can be found on the following page.

If you have any questions, please contact me.

Thank you,

David Hagenbucher Operations Manager Marathon County Solid Waste

C.c: Nathan Coller, Aaron Kent, Megan Ballweg, Sally Hronek, Meleesa Johnson, Lee Daigle, Mark Torresani.

Marathon County Solid Waste Department 172900 E. Hwy 29 Ringle, WI 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

Bluebird Ridge Recycling	<u>nd Disposal Facility Groundwater Well Exceedar</u>	<u>ice Table</u>
<u>April 2021</u>		

	Marathon County Solid Waste Mgmt Dept: BRRDF Groundwater Monitoring Wells												
	Exceedances												
Lab ID	NLS Project	Date	License #	FID	Well Desc (Point ID)	Parameter	Units	Result	PAL/ACL	ES	Comments		
721026460	364341	April 1 2021	04228	337005680	R59P (237)	Alkalinity	mg/L	420	230	-	well		
721026460	364341	April 1 2021	04228	337005680	R59P (237)	Conductivity	umhos@25C	710	470	-	well		
721026460	364341	April 1 2021	04228	337005680	R59P (237)	Hardness	mg/L	450	230	-	well		
721026460	364341	Aprll 1 2021	04228	337005680	R59WT (234)	Alkalinity	mg/L	470	230	-	well		
721026460	364341	April 1 2021	04228	337005680	R59WT (234)	Conductivity	umhos@25C	790	470	-	well		
721026460	364341	Aprll 1 2021	04228	337005680	R59WT (234)	Hardness	mg/L	500	230	-	well		

Groundwater hardness can exhibit natural fluctuation over time. In addition, a typical indicator of hard water can be increased levels of calcium. Over the past few years, Marathon County has utilized liquid Calcium Chloride solution for dust control on main haul roads. It is a possibility that small amounts of Calcium Chloride may have leached into groundwater due to runoff from haul roads. This solution may be contributing to slight increases in conductivity. In addition to the Calcium Chloride application, this particular well is located within 50 feet of a major soil stockpile. During 2016, this stockpile received over 250,000 cubic yards of soil from the 10 acre cell expansion of the Bluebird Ridge Landfill. Excavation of this stockpile is ongoing as a soil borrow source for waste cover purposes. R59WT and R59P are directly at the toe of the slope of a 500,000+ cubic yard soil stockpile. The stockpile has been properly vegetated; however, the construction activity may be a contributing factor. The levels have not changed significantly since the last monitoring event but this well will continue to be monitored to evaluate the source of the exceedances. A 3 year groundwater assessment for the entire site has been included in the 2019 Annual Report, and another groundwater assessment will be conducted in 2021 to better evaluate these results.

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

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Instructions:

State of Wisconsin

- * Prepare one form for each license or monitoring ID.
- * Please type or print legibly.

Department of Natural Resources

- * Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- * Attach a notification of any gas values that attain or exceed explosive gas levels.
- * Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Northern Lake Service, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

 Name:
 Chris Geske

 Phone:
 715-478-2777

Name: <u>Chris Geske</u> E-mail: lims@nlslab.com

Facility Name	License No. / Monitoring ID	Facility ID [FID] Actu	al sampling d	lates (e.g., July 2-6, 2003
Marathon County - BRRDF	04228	337005680	APRIL -13	3-2021
The enclosed results are for sampling required in the m APRIL -2021	1onth(s) of: (e.g., June 2003)			
Type of Data Submitted (Check all that apply) S Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water su Leachate monitoring data		nitoring data toring data pecify)		
Notification attached? No. No groundwater standards or explosive gas limits were exceeded Yes, a notification of values exceeding a groundwater standard is a groundwater standard and preliminary analysis of the cause and Yes, a notification of values exceeding an explosive gas limit is atta explosive gas limits.	Itached. It includes a list of monitoring poin significance of any concentration. ched. It includes the monitoring points, dated and the monitoring points.	as, sample values and		nacharach Pananalaca (a' a' a
Certification			之前,它将上30000系 (1997年),2019年), 2019年),	n Neterina (Martine In
To the best of my knowledge, the information report are true and correct. Furthermore, I have attached groundwater standards or explosive gas levels, and concentrations exceeding groundwater standards.	rted and statements made on t complete notification of any sa	his data submittal and attac ampling values meeting or (chements	
Facility Representative Name (Print)	Manager		5 551	
Facility Representative Name (Print)	Manager Title 05/14/21	(Area	Code) Telep	hone No.
Signature 0	Date			
FOR DNR USE ONLY. Check action take	initials		de if necess 	ary.

EDD format(s): Diskette CD (initial submittal and follow-up) Email (follow-up only) Other

Marathon County Solid Waste Mgmnt Dept	Marathon County - BKKDF 04-01-2021	

Lab ID: 721026460	NLS Project: 364341	Collected: 04-01-2021	License: 04228	FID: 337005680
Lab ID	NLS P	Collect	Licens	FID: 3

EXCEEDANCES:

.

Well Desc (Point ID)	Parameter	Units	Result	PAL / ACL	ES	Comments
R59P (237)	Alkalinity	mg/L	420	230	2	well
R59P (237)	Conductivity	umhos@25C	710	470		well
R59P (237)	Hardness	mg/L	450	230		well
R59WT (234)	Alkalinity	mg/L	470	230		well
R59WT (234)	Conductivity	umhos@25C	790	470		well
R59WT (234)	Hardness	mg/L	500	230		well

Notes: site = site assigned PAL/ES : well = well assigned PAL/ES : NR140,10 = NR140 public Health PAL/ES : NR140.12 = NR140 Public Welfare PAL/ES

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Marathon County Solid Waste Department 172900 E. Hwy 29 Binglo WI 54471

Ringle, WI 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

December 20, 2021

Wisconsin Department of Natural Resources Bureau of Solid Waste Management GEMS Data Submittal Contact, WA/3 P.O. Box 7921 Madison, WI 53707-7921

RE: Exceedance of Groundwater Standards for Marathon County Landfill: License No. 2892 Area A

In accordance with NR 140, please accept this notification of groundwater monitoring results for the reporting period of October 2021. An exceedance table has been attached for the Area A landfill and can be found on the following page.

If you have any questions, please contact me.

Thank you,

David Hagenbucher Operations Manager Marathon County Solid Waste

C.c: Nathan Coller, Aaron Kent, Megan Ballweg, Sally Hronek, Meleesa Johnson, Lee Daigle, Mark Torresani.

		Marath	on Count	y Solid W	aste Mgmt Dept:	Area A Groundw	ater Moni	oring V	Vells		
					Exceeda	nces					
Lab ID	NLS Project	Date	License #	FID	Well Desc (Point ID)	Parameter	Units	Result	PAL/ACL	ES	Comments
721026460	375600	Oct 1 2021	2892	737054890	Dup- (074)	Tetrachloroethylene	ug/L	1.3	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	Dup- (074)	Trichloroethylene	ug/L	2	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R12 (049)	Tetrachloroethylene	ug/L	0.7	0,5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R12 (049)	Trichloroethylene	ug/L	1.5	0,5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R13R (074)	Tetrachloroethylene	ug/L	1.1	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R13R (074)	Trichloroethylene	ug/L	1.8	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R38 (053)	Trichloroethylene	ug/L	0.79	0.5	5	NR140.10
721026460	375600	Oct 1 2021	2892	737054890	R35 (050)	Conductivity	umho@25C	780	510	-	well

Area A Groundwater Well Exceedance Table October 2021

The Area A exceedances that were detected during the October 2021 sampling event are consistent with the exceedances that were detected in previous sampling events.

Groundwater contamination was detected southeast of Area A during the late 1980s. By May of 1993, Marathon County completed a groundwater quality investigation and submitted a report to WDNR titled "Marathon County, Area A Landfill – Environmental Contamination Assessment (ECA) report". The ECA report suggested that contaminants may have been released to the environment from one or more of the leachate collection basins and other source locations. Consequently, several improvements were made and both leachate collection basins were removed in 1995. The identified groundwater contaminants of primary concern at this facility are VOCs, specifically the chlorinated aliphatic hydrocarbons (CAHs) and vinyl chloride. Since the remedial work from 1993 to 1996, significant reductions of CAH concentration have been measured near the suspected source zone.

It is the opinion of Marathon County that the exceedances are related to the leachate basins that were removed in 1995. The overall general concentrations reported at wells within the core of the plume are stable to decreasing. Marathon County will continue to monitor these wells for exceedances as required, and report any anomalies to the WDNR. Marathon County has installed groundwater monitoring wells along State Highway 29, just southeast of the site. If these particular wells begin showing signs of contamination, the County has a contingency plan in place and will respond to protect residents.

2

State of Wisconsin Department of Natural Resources

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- * Prepare one form for each license or monitoring ID.
- * Please type or print legibly.
- * Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- * Attach a notification of any gas values that attain or exceed explosive gas levels.
- * Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921

Contact for questions about data formatting. Include of	data preparer's name, telephone nu	mber and E-mail add	ress:
Name: Chris Geske	Phone: 715-4		
E-mail: lims@nlslab.com			
Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 20
Marathon County Landfill - Area A	02892	737054890	OCTOBER -25-2021 through OCTOBER -26-2021
Some Area A wells are linked to BRRDF site (Lic. 04228) but reported here.			
The enclosed results are for sampling required in the	month(s) of: (e.g., June 2003)		
OCTOBER -2021 Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wel Groundwater monitoring data from private water s Leachate monitoring data		itoring data pring data ecify)	
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wel Groundwater monitoring data from private water s	upply wells Air monit Other (sp ded, attached, It includes a list of monitoring points i significance of any concentration.	oring data ecify) , dates, sample values,	
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wel Groundwater monitoring data from private water s Leachate monitoring data Notification attached? No. No groundwater standards or explosive gas limits were exceed Yes, a notification of values exceeding a groundwater standard is groundwater standard and preliminary analysis of the cause and Yes, a notification of values exceeding an explosive gas limit is att explosive gas limits.	upply wells Air monit Other (sp ded, attached, It includes a list of monitoring points i significance of any concentration.	oring data ecify) , dates, sample values, , sample values and	n
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring well Groundwater monitoring data from private water s Leachate monitoring data Notification attached? No. No groundwater standards or explosive gas limits were exceed Yes, a notification of values exceeding a groundwater standard is groundwater standard and preliminary analysis of the cause and Yes, a notification of values exceeding an explosive gas limit is att explosive gas limits. Certification To the best of my knowledge, the information report for the best of my knowledge, the information report for undwater standards or explosive gas levels, an concentrations exceeding groundwater standards.	upply wells Air monit Other (sp ied. attached, It includes a list of monitoring points asgnificance of any concentration. ached. It includes the monitoring points, dates reted and statements made on the complete notification of any sar d a preliminary analysis of the c	oring data ecify) dates, sample values, , sample values and s data submittal an appling values meeting ause and significant	d attachements ng or exceeding t of
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring well Groundwater monitoring data from private water s Leachate monitoring data Notification attached? No. No groundwater standards or explosive gas limits were exceed Yes, a notification of values exceeding a groundwater standard is groundwater standard and preliminary analysis of the cause and Yes, a notification of values exceeding an explosive gas limit is att explosive gas limits. Certification To the best of my knowledge, the information report for the best of my knowledge, the information report for undwater standards or explosive gas levels, an concentrations exceeding groundwater standards.	upply wells Air monit Other (sp ied. attached, It includes a list of monitoring points asgnificance of any concentration. ached. It includes the monitoring points, dates reted and statements made on the complete notification of any sar d a preliminary analysis of the c	oring data ecify) dates, sample values, , sample values and s data submittal an appling values meeting ause and significant	d attachements ng or exceeding t of
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring well Groundwater monitoring data from private water s Leachate monitoring data Notification attached? No. No groundwater standards or explosive gas limits were exceed Yes, a notification of values exceeding a groundwater standard is groundwater standard and preliminary analysis of the cause and Yes, a notification of values exceeding an explosive gas limit is att explosive gas limits. Certification To the best of my knowledge, the information report are true and correct. Furthermore, I have attached groundwater standards or explosive gas levels, and	upply wells Air monit Other (sp ied. attached, It includes a list of monitoring points asgnificance of any concentration. ached. It includes the monitoring points, dates reted and statements made on the complete notification of any sar d a preliminary analysis of the c	oring data ecify) dates, sample values, , sample values and s data submittal an appling values meeting ause and significant	d attachements ng or exceeding

Marathon County Solid Waste Mgmnt Dept Marathon County Landfill - Area A 10-01-2021

Lab ID: 721026460 NLS Project: 375600 Collected: 10-01-2021 License: 02892 FID: 737054890

EXCEEDANCES:

Well Desc (Point ID)	Parameter	Units	Result	PAL / ACL	ES	Comments
Dup-102621 (074)	Tetrachloroethylene	ng/L	1.3	5	5	NR140.10
Dup-102621 (074)	Trichloroethylene	ng/L	2.0	5	5	NR140.10
R12R (049)	Tetrachloroethylene	ng/L	0.70	5.	S	NR140.10
R12R (049)	Trichloroethylene	ng/L	1.5	5	5	NR140.10
R13R (074)	Tetrachloroethylene	ng/L	1.1	5	5	NR140.10
R13R (074)	Trichloroethylene	ng/L	1.8	5.	5	NR140.10
R38 (053)	Trichloroethylene	ng/L	0.79	.5	S	NR140.10
R35 (050)	Conductivity	umho@25C	780	510		well

Notes: site = site assigned PAL/ES : well = well assigned PAL/ES : NR140.10 = NR140 Public Health PAL/ES : NR140.12 = NR140 Public Welfare PAL/ES



Marathon County Solid Waste Department 172900 E. Hwy 29 Ringle, W1 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

December 20, 2021

Wisconsin Department of Natural Resources Bureau of Solid Waste Management GEMS Data Submittal Contact, WA/3 P.O. Box 7921 Madison, WI 53707-7921

RE: Exceedance of Groundwater Standards for Marathon County Landfill, License No. 3338 Area B.

In accordance with NR 140, please accept this notification of groundwater monitoring results for the reporting period of October 2021. An exceedance table has been attached for the Area B landfill and can be found on the following page.

If you have any questions, please contact me.

Thank you,

David Hagenbucher Operations Manager Marathon County Solid Waste

C.c: Nathan Coller, Aaron Kent, Megan Ballweg, Sally Hronek, Meleesa Johnson, Lee Daigle, Mark Torresani.

		Maratho	n Count	Solid Wa	aste Mgmt Dept:	Area B Groundwat	er Moni	toring V	Vells		
					Exceeda	nces					
Lab ID	NLS Project	Date	License #	FID	Well Desc (Point ID)	Parameter	Units	Result	PAL/ACL	ES	Comments
721026460	375514	Oct 1 2021	3338	737092730	Dup-102502 (208)	Nitrate+Nitrite, dis.	mg/L	2.7	2	10	NR140.10
721026460	375514	Oct 1 2021	3338	737092730	Field Blank (997)	Methylene chloride	ug/L	1,3	0.5	5	NR140,10
721026460	375514	Oct 1 2021	3338	737092730	R26A (152)	Methylene chloride	ug/L	0.74	0.5	5	NR140.10
721026460	375514	Oct 1 2021	3338	737092730	R27 (156)	Nitrate+Nitrite, dis.	mg/L	2.7	2	10	NR140.10
721026460	375514	Oct 1 2021	3338	737092730	R27A (157)	Methylene chloride	ug/L	1,5	0.5	5	NR140,10
721026460	375514	Oct 1 2021	3338	737092730	R31A (176)	Methylene chloride	ug/L	0,79	0,5	5	NR140.10
721026460	375514	Oct 1 2021	3338	737092730	R45 (208)	Methylene chloride	ug/L	0.75	0,5	5	NR140.10
721026460	375514	Oct 1 2021	3338	737092730	R45 (208)	Nitrate+Nitrite, dis.	mg/L	2.7	2	10	NR140.10
721026460	375514	Oct 1 2021	3338	737092730	R52 (215)	Hardness, tot. rec as CaCO3	mg/L	310	290		ACL_well

Area B Groundwater Well Exceedance Table October 2021

Methylene Chloride has been identified as a lab contaminant through Northern Lake's Service.

R27 and R45 on the south side of Area B have historically had increased Nitrate/Nitrite levels. The levels continue to decrease over time, and they may have been a result of improper farming practices. Throughout the past few years, Area B has had ongoing vegetation management to establish growth on slopes. Seed, fertilizer, and mulch have all been applied in an effort to control erosion. Well R27 and R45 have indicated a decrease in concentration since the sampling event in October 2020. The well will continue to be monitored closely to ensure that levels decrease. In effort to ensure that levels decrease, Marathon County will evaluate their erosion control methods in addition to continued observation of each well. Current site plans include the installation of a final cap on the Area B landfill within the next few years; this will also control erosion and potential runoff issues at the wells around the landfill.

State of Wisconsin Department of Natural Resources

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- Prepare one form for each license or monitoring ID.
- * Please type or print legibly.
- * Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- * Attach a notification of any gas values that attain or exceed explosive gas levels.
- * Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921

Contact for questions about data formatting. Include	data preparer's name, telephone nu	umber and E-mail addr	ess:
Name: Chris Geske	Phone: 715-47	78-2777	
E-mail: lims@nlslab.com			
Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003
Marathon County Landfill - Area B	03338	737092730	OCTOBER -25-2021
The enclosed results are for sampling required in the OCTOBER -2021	month(s) of: (e.g., June 2003)		
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring we Groundwater monitoring data from private water s Leachate monitoring data		itoring data oring data pecify)	
Notification attached? No. No groundwater standards or explosive gas limits were exceed Yes, a notification of values exceeding a groundwater standard is groundwater standard and preliminary analysis of the cause an Yes, a notification of values exceeding an explosive gas limit is at explosive gas limits.	allached. It includes a list of monitoring points d significance of any concentration.		
Certification	$\ \mathcal{D}_{i}^{n}(\mathbf{x}_{i}^{n})\ _{L^{\infty}(\mathbb{R}^{n})} \leq \ \mathcal{D}_{i}^{n}(\mathbf{x}_{i}^{n})\ _{L^{\infty}(\mathbb{R}^{n})} \leq \ \mathcal{D}_{i}^{n}(\mathbf{x}_{i}^{n})\ _{L^{\infty}(\mathbb{R}^{n})} \leq \ \mathcal{D}_{i}^{n}(\mathbf{x}_{i}^{n})\ _{L^{\infty}(\mathbb{R}^{n})}$		$\{ \{ i_1, \dots, i_n \} \} := \{ \{ i_1, \dots, i_n \} \} = \{ n \}$
To the best of my knowledge, the information repo are true and correct. Furthermore, I have attached	d complete notification of any sar	mpling values meetin	g or exceeding
concentrations exceeding groundwater standards David Hayon bucher	A. 4		
groundwater standards or explosive gas levels, ar concentrations exceeding groundwater standards David Hayonbucher Facility Representative Name (Print)	Manager Title 12/3//21		7/5-55/-5849 (Area Code) Telephone No.

Marathon County Solid Waste Mgmnt Dept Marathon County Landfill - Area B 10-01-2021

> Lab ID: 721026460 NLS Project: 375514 Collected: 10-01-2021 License: 03338 FID: 737092730

EXCEEDANCES:

Well Desc (Point ID)	Parameter	Units	Result	PAL / ACL	ES	Comments
Dup-102502 (208)	Nitrate+Nitrite, dis.	mg/L	2.7	2	10	NR140.10
Field Blank (997)	 Methylene chloride 	ng/L	1.3	5	5	NR140.10
R26A (152)	Methylene chloride	ng/L	0.74	5	5	NR140.10
R27 (156)	Nitrate+Nitrite, dis.	mg/L	2.7	2	10	NR140.10
R27A (157)	Methylene chloride	ng/L	1.5	5	5	NR140.10
R31A (176)	Methylene chloride	ng/L	0.79	5	5	NR140.10
R45 (208)	Methylene chloride	ng/L	0.75	.5	5	NR140.10
R45 (208)	Nitrate+Nitrite, dis.	mg/L	2.7	2	10	NR140.10
R52 (215)	Hardness, tot. recoverable as CaCO3	mg/L	310	290		ACL well
	(calc/filt/trace)				1	F

Notes: site = site assigned PAL/ES : well = well assigned PAL/ES : NR140.10 = NR140 Public Health PAL/ES : NR140.12 = NR140 Public Welfare PAL/ES



Marathon County Solid Waste Department 172900 E. Hwy 29

Ringle, WI 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

December 20, 2021

Wisconsin Department of Natural Resources Bureau of Solid Waste Management GEMS Data Submittal Contact, WA/3 P.O. Box 7921 Madison, WI 53707-7921

RE: Exceedance of Groundwater Standards for Marathon County Landfill, License No.4228 BRRDF.

In accordance with NR 140, please accept this notification of groundwater monitoring results for the reporting period of October 2021. An exceedance table has been attached for the Bluebird Ridge Landfill and can be found on the following page.

If you have any questions, please contact me,

Thank you,

David Hagenbucher **Operations Manager** Marathon County Solid Waste

C.c: Nathan Coller, Aaron Kent, Megan Ballweg, Sally Hronek, Meleesa Johnson, Lee Daigle, Mark Torresani.

<u>Bluebird Ridge Recycling and Disposal Facility Groundwater Well Exceedance Table</u> <u>October 2021</u>

		Marath	on Coun	ty Solid W	aste Mgmt Dept:	BRRDF Ground	water Monit	oring W	/ells		
					Exceedar	ICes					
Lab ID	NLS Project	Date	License #	FID	Well Desc (Point ID)	Parameter	Units	Result	PAL/ACL	ES	Comments
721026460	375599	October 1 2021	4228	337005680	R54	Hardness	mg/L	310	290		well
721026460	375599	October 1 2021	4228	337005680	R59P (237)	Alkalinity	mg/L	400	230	-	well
721026460	375599	October 1 2021	4228	337005680	R59P (237)	Conductivity	umhos@25C	700	470	-	well
721026460	375599	October 1 2021	4228	337005680	R59P (237)	Hardness	mg/L	460	230	-	well
721026460	375599	October 1 2021	4228	337005680	R59WT (234)	Alkalinity	mg/L	430	230	-	well
721026460	375599	October 1 2021	4228	337005680	R59WT (234)	Conductivity	umhos@25C	750	470	-	well
721026460	375599	October 1 2021	4228	337005680	R59WT (234)	Hardness	mg/L	490	230	-	well

Groundwater hardness can exhibit natural fluctuation over time. In addition, a typical indicator of hard water can be increased levels of calcium. Over the past few years, Marathon County has utilized liquid Calcium Chloride solution for dust control on main haul roads. It is a possibility that small amounts of Calcium Chloride may have leached into groundwater due to runoff from haul roads. This solution may be contributing to slight increases in conductivity. In addition to the Calcium Chloride application, this particular well is located within 50 feet of a major soil stockpile. During 2016, this stockpile received over 250,000 cubic yards of soil from the 10 acre cell expansion of the Bluebird Ridge Landfill. Excavation of this stockpile is ongoing as a soil borrow source for waste cover purposes. R59WT and R59P are directly at the toe of the slope of a 500,000+ cubic vard soil stockpile. The stockpile has been properly vegetated; however, the construction activity may be a contributing factor. The levels have not changed significantly since the last monitoring event but this well will continue to be monitored to evaluate the source of the exceedances. A 3 year groundwater assessment for the entire site has been included in the 2019 Annual Report, and another groundwater assessment was conducted in 2021 to better evaluate these results.

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

State of Wisconsin Department of Natural Resources

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- * Prepare one form for each license or monitoring ID.
- * Please type or print legibly.
- * Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- * Attach a notification of any gas values that attain or exceed explosive gas levels.
- * Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921

Monitoring Data Submittal Information			
Name of entity submitting data (laboratory, consulta	nt, facility owner):		
Northern Lake Service, Inc. Contact for questions about data formatting. Include	a data preparer's name, telephone n	mber and E-mail add	ress'
		78-2777	
Name: Chris Geske E-mail: lims@nlslab.com	<u></u>	10-2111	
			Actual compling dates (c.c. July 2.6. 2003
Facility Name Marathon County - BRRDF	License No. / Monitoring ID 04228	Facility ID [FID] 337005680	Actual sampling dates (e.g., July 2-6, 2003 OCTOBER -26-2021
		337003000	100100EIX 202021
The enclosed results are for sampling required in th OCTOBER -2021	e month(s) of: (e.g., June 2003)		
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring v Groundwater monitoring data from private wate Leachate monitoring data		itoring data oring data pecify)	
Notification attached? No. No groundwater standards or explosive gas limits were exc Yes, a notification of values exceeding a groundwater standard groundwater standard and preliminary analysis of the cause Yes, a notification of values exceeding an explosive gas limit is explosive gas limits.	is attached. It includes a list of monitoring point and significance of any concentration.		
Certification	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		n
To the best of my knowledge, the information re are true and correct. Furthermore, I have attach groundwater standards or explosive gas levels, concentrations exceeding groundwater standard	ed complete notification of any sa and a preliminary analysis of the o ds.	mpling values meetii cause and significant	ng or exceeding t of
Facility Representative Name (Print),	Title		715-551-58644 (Area Code) Telephone No.
Dand Hegenbicher	12/31/21		
Signature	Date		
FOR DNR USE ONLY. Check action	Initials Upload	ed data successfully	on

Marathon County Solid Waste Mgmnt Dept Marathon County - BRRDF 10-01-2021

> Lab ID: 721026460 NLS Project: 375599 Collected: 10-01-2021 License: 04228 FID: 337005680

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Well Desc (Point ID)	Parameter	Units	Result	PAL / ACL	ES	Comments
R54 (213)	Hardness	mg/L	310	290		well
R59P (237)	Alkalinity	mg/L	400	230		well
R59P (237)	Conductivity	umhos@25C	200	470		well
R59P (237)	Hardness	mg/L	460	230		well
R59WT (234)	Alkalinity	mg/L	430	230		well
R59WT (234)	Conductivity	umhos@25C	750	470		well
R59WT (234)	Hardness	mg/L	490	230		well

ATTACHMENT G

EXCEEDANCE REPORTS FOR AREA A & BRRDF PRIVATE WELL MONITORING APRIL AND OCTOBER 2021



marathoncountysolidwaste

May 14, 2021

Wisconsin Department of Natural Resources Bureau of Solid Waste Management GEMS Data Submittal Contact, WA/3 P.O. Box 7921 Madison, WI 53707-7921

Marathon County Solid Waste Department 172900 E. Hwy 29 Ringle, WI 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

RE: Exceedance of Groundwater Standards for Marathon County Landfill, License No. 2892, 3338 & 4228 (Private Wells)

In accordance with NR 140, please accept this notification of groundwater monitoring results for the reporting period of April 2021. There were no exceedances in the private groundwater wells, and therefore an exceedance table has not been provided.

If you have any questions, please contact me.

Thank you,

David Hagenbucher Operations Manager Marathon County Solid Waste

C.c: Nathan Coller, Aaron Kent, Megan Ballweg, Sally Hronek, Meleesa Johnson, Lee Daigle, Mark Torresani.

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

State of Wisconsin Department of Natural Resources

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- * Prepare one form for each license or monitoring ID.
- * Please type or print legibly.
- * Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- * Attach a notification of any gas values that attain or exceed explosive gas levels.
- * Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921

Northern Lake Service, Inc. Contact for questions about data formatting. Include dat	a preparer's name, telephone nu	mber and E-mail add	ress:
Name: Chris Geske		78-2777	14.77
E-mail: lims@nlslab.com			
Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003
Marathon County BRRDF Private Wells	04228	337005680	APRIL -14-2021
The enclosed results are for sampling required in the mo APRIL -2021	nth(s) of: (e.g., June 2003)		
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water sup Leachate monitoring data		itoring data oring data ecify)	
Notification attached?			
 No. No groundwater standards or explosive gas limits were exceeded. Yes, a notification of values exceeding a groundwater standard is attain groundwater standard and preliminary analysis of the cause and sig Yes, a notification of values exceeding an explosive gas limit is attached explosive gas limits. 	nificance of any concentration.		
Certification			n
To the best of my knowledge, the information reported are true and correct. Furthermore, I have attached co groundwater standards or explosive gas levels, and a concentrations exceeding groundwater standards.	mplete notification of any san preliminary analysis of the c	npling values meetir ause and significant	ng or exceeding
David Hagenbucher Facility Representative Name (Print)	Title		(Area Code) Telephone No.
Daind Haynbert	5/14/21		(Alea Code) Telephone No.
Signature 0	Date		
FOR DNR USE ONLY. Check action taken Found uploading problems on Notified contact of problems on EDD format(s): Diskette CD (initia	Initials Uploade	d data successfully	on

Marathon County Solid Waste Mgmnt Dept Marathon County BRRDF Private Wells 04-01-2021

> Lab ID: 721026460 NLS Project: 364443 Collected: 04-01-2021 License: 04228 FID: 337005680

EXCEEDANCES:

	Parameter	Units	Result	PAL / ACL	ES	Comments

Notes: site = site assigned PAL/ES : well = well assigned PAL/ES : NR140.10 = NR140 Public Health PAL/ES : NR140.12 = NR140 Public Welfare PAL/ES

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 04/28/21 Page 1 of 4	721026460 Vo. 105-330 o. WI00034 Page 1 of 4
Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29			NLS Project: NLS Customer: Fax: 715 446 2906 Phone: 71	roject: 364443 ustomer: 20080 Phone: 715 446 3339
Kingle, WI 54471 9754 Project: Marathon County BRRDF Private Wells April 2021	021			
LS ID: 1248807				
Parameter Field depth to water Field depth to bottom	Result 23.55 ft. 27.50 ft.	Control of the contro	LOD LOQ/MCL Analyzed Method 04/14/21 NA 04/14/21 NA	Lab 721026460 721026460
Válues in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content.	LOD but less than the LOQ and are witl ed with an asterisk(*) are considered Re	hin a region of "Less-Certain eporting Limits. All LOD/LOC	Quantitation". Results greater than or equal to the LOC As adjusted to reflect dlution and/or solids content.	are considered
ND = Not Detected (< LOD)	LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	NA = Not Applicable R	Reviewed by: male k	Authorized by: R. T. Krueger President
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NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Drintod. 04/28/24
Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29		NLS Project: 364443 NLS Customer: 20080 Fax: 715 446 2906 Phone: 715 446 3339
Rungle, wr 544/1 5/54 Project: Marathon County BRRDF Private Wells April 2021 <u>PW26 NLS ID: 1248808</u> Matrix: GW		

Parameter	Result	Dilution LOD LOO/MCL Analyzed Method	Analyzed Method	Lab
Field color	none detected		04/14/21 NA	721026460
Field odor	none detected		04/14/21 NA	721026460
Field turbidity	none detected		04/14/21 NA	721026460
VOCs (water) by GC/MS	see attached		04/19/21 SW846 8260C	721026460
Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered	LOD but less than the LOQ and are within a region of "Less	ion of "Less-Certain Quantitation". Rest	tion". Results greater than or equal to the LC	0 are considered

to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect diution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.

LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.

NA = Not Applicable

d Å Reviewed by:

Authorized by: R. T. Krueger President

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	VICE, INC. Environmental Services 5randon, WI 54520 115)-478-3060	ANALYTICAI	ALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034	o. 721026460 1 No. 105-330 No. W100034 Boond 2 of 4
Client: Marathon County Solid W Attn: Dave Hagenbucher Marathon County I andfill	Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County I andfill			NLS Project: NLS Customer	7495 301 4 364443 ar 20080
R18500 East Highway 29 Ringle, WI 54471 9754	Highway 29 471 9754			Fax: 715 446 2906 Phone:	15 4
Project: Marathon Cou	Marathon County BRRDF Private Wells April 2021				
PW8575 NLS ID: 1248809 Matrix: GW Collected: 04/14/21 10:05 Rece	:809 . Received: 04/14/21		-		
Parameter Field color		Result Units none detected	Dilution	_	Lab 721026460
Field odor Field turbidity		none detected none detected		04/14/21 NA 04/14/21 NA	721026460 721026460
VOCs (water) by GC/MS		see attached			721026460
Values in brackets represent to be in the region of "Certain ND = Not Detected (< LOD) DWB = Dry Weight Basis MCL = Maximum Contaminan	Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation" to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = LoQ = Limit of Quantitation NA = Not Applicable Reviewed by: %DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L MG/L.	D but less than the LOQ and are vith an asterisk(*) are considered LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	within a region of "Less-Ce Reporting Limits. All LOD NA = Not Applicable	Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dution and/or solids content. ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable Reviewed by: DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.	.00 are considered Authorized by: R. T. Krueger President
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WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 04/28/21 Page 4 of 4 NLS Project: 364443 NLS Project: 20080 Fax: 715 446 2906 Phone: 715 446 3339		Parameter Composition Lob LOQ/MCL Analyzed Method Lab VOCs (water) by GC/MS see attached see attached 21026460 21026460 21026460 Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to but her active with an esteriated mendined limits All 100/1006 admined to reflect during ond/no solids contact.	Reviewed by: 22 Authorized by: R. T. Krueger President			
REPORT		Dilution 1 thin a region of "Less-Certain condition 1 inite. All 1 ODM OC	NA = Not Applicable R			
ANALYTICAL REPORT		Result Units see attached but less than the LOQ and are wi th an astarisk(*) are considered P	LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	• • •	•	· · · · · · · · · · · · · · · · · · ·
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	Project: Marathon County BRRDF Private Wells April 2021 Trip Blank NLS ID: 1248810 Matrix: TB Collected: 04/14/21 00:00 Received: 04/14/21	Parameter LOD LOQ/MCL Analyzed Method VOCs (water) by GC/MS vater) by GC/MS (water) by GC/MS vater) by GC/MS vater by GC/MS values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the hole in the region of "Less-Certain Quantitation". I OD and 100 farred with an esticistical periodinal region of "Certain Quantitation". I OD and 100 farred with an esticistical periodinal period for esticistic contact.	ND = Not Detected (< LOD) LOD = Limit of Detection ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.			

Printed: 04/28/2021 10:31 43 DIL DIL LOD ND ug/L 1 0.26 ND ug/L 1 0.26 ND ug/L 1 0.26 ND ug/L 1 0.27 ND ug/L 1 0.37 ND ug/L 1 0.36 ND ug/L 1 0.37 ND ug/L 1 0.36 ND ug/	ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water Customer: Marathon County Solid Waste Mgmnt Dept Project Description: Marathon County BRRDF Private Wells	NLS Project: 364443	4443					Page 1 of 3	
SULT UNTS DIL LOD J Value ug/L 1 0.25 0 0 Value ug/L 1 0.25 0 <t< th=""><th>Project Title: April 2021 Template: APP3</th><th>Printed: 04/</th><th>/28/2021 1</th><th>0:31</th><th></th><th></th><th></th><th></th><th></th></t<>	Project Title: April 2021 Template: APP3	Printed: 04/	/28/2021 1	0:31					
TE AME RESULT ULTS DL LOD methane ND ug/L 1 0.25 methane ND ug/L 1 0.24 form ND ug/L 1 0.26 methane ND ug/L 1 0.26 form ND ug/L 1 0.26 for	Sample: 1248808 PW26 Collected: 04/14/21 Analyzed: 04/19/21 - Analytes: 4	13							
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Definition No	Bromodichloromethane		ng/L		0.20	0.67	80		
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$\label{eq:constraint} ND ugl 1 0.24 1 0.24 \\ methane ND ugl 1 1 0.20 \\ methane ND ugl 1 1 0.20 \\ methane ND ugl 1 1 0.20 \\ monothartene ND ugl 1 1 0.20 \\$	Chloroethane	QN	ng/L	-	1.5	5.0			
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$\begin{tabular}{l l l l l l l l l l l l l l l l l l l $	1,2-DIDrortio-5-Critioroproparte		ug/L	- •	0.20	0 71			
			10/L	-	0.17	0.45			
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	trans-1,2-Dichloroethene		ng/L		0.19	0.64	100		
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Kylene ND ug/L 1 0.38 hloroethene ND ug/L 1 0.34 ne ND ug/L 1 0.34 richloroethane ND ug/L 1 0.29 richloroethane ND ug/L 1 0.16 richloroethane ND ug/L 1 0.16 roethene ND ug/L 1 0.16 roethene ND ug/L 1 0.35 infortuoromethane ND ug/L 1 0.12 infortuor ND ug/L 1 0.14 infortuor ND ug/L 1	Styrrana		10/J		0.40	1.1	100		
Inforcethene ND ug/L 1 0.34 le ND ug/L 1 0.34 le ND ug/L 1 0.29 frichloroethane ND ug/L 1 0.16 richloroethane ND ug/L 1 0.16 roethene ND ug/L 1 0.35 roethene ND ug/L 1 0.35 arra-Xylene ND ug/L 1 0.22 arra-Xylene ND ug/L 1 0.70 bara-Xylene ND ug/L 1 0.70 e ND ug/L 1 0.70	ortho-Xviene	QN	ua/L		0.38	5.0	2		
Inclusion ND ug/L 1 0.29 Incluso ethane ND ug/L 1 0.11 Incluso ethane ND ug/L 1 0.15 Incluso ethane ND ug/L 1 0.16 Incluso ethane ND ug/L 1 0.35 Influoromethane ND ug/L 1 0.22 Influoromethane ND ug/L 1 0.22 Infloride ND ug/L 1 0.14 Dara-Xylene ND ug/L 1 0.70 Infloride ND ug/L 1 0.70 Infloride ND ug/L 1 0.70 Infloride ND ug/L 1 0.70	Tetrachloroethene	QN	ua/L	.,	0.34	1.1	5		
Inchloroethane ND ug/L 1 0.11 Inchloroethane ND ug/L 1 0.16 Inchloroethane ND ug/L 1 0.35 Incethene ND ug/L 1 0.35 Incontentane ND ug/L 1 0.22 Infloride ND ug/L 1 0.14 Stara-Xylene ND ug/L 1 0.70 arar-Xylene ND ug/L 1 0.41 te ND ug/L 1 0.41	Toluene	QN	ug/L	-	0.29	0.98	1000		
Inchloroethane ND ug/L 1 0.16 oroethene ND ug/L 1 0.35 oroethene ND ug/L 1 0.22 influoromethane ND ug/L 1 0.22 influoromethane ND ug/L 1 0.14 infloride ND ug/L 1 0.70 bara-Xylene ND ug/L 1 0.70 teND ug/L 1 0.41	1,1,1-Trichloroethane	QN	ng/L	-	0.11	0.35	200		
Incethene ND ug/L 1 0.35 Influoromethane ND ug/L 1 0.22 Infloride ND ug/L 1 0.14 strar-Xylene ND ug/L 1 0.70 et ND ug/L 1 0.41 te ND ug/L 1 0.41	1,1,2-Trichloroethane	DN	ug/L	ر	0.16	0.52	ъ ,		
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Intoride ND ug/L 1 0.14 ara-Xylene ND ug/L 1 0.70 brane-Xylene ND ug/L 1 0.41 c ND ug/L 1 0.41 he ND ug/L 1 13	Trichlorofluoromethane	QN	ug/L	,	0.22	0.75			
ara-Xylene ND ug/L 1 0.70 ND ug/L 1 0.41 he ND ug/L 1 13	Vinyl chloride	QN	ug/L	~	0.14	0.47			
1 0.41 ND ug/L 1 0.41 ND ug/L 1 13	meta, para-Xylene		ug/L	~ ,	0.70	2.3	10000		
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1-Bromo-4-Fluorobenzene (SURR) 96% 1		96%						S	
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	NOTES AT FLOADLE TO THIS AWALTS OF.								
S = This compound is a surrogate used to evaluate the quality control of a method.									

Froject Inte: April 2021 Tempate: Arro Tinted: UNICS Sample: 1228809 PWS575 Collected: 04/14/21 Analytes: Arro Tinted: UNICS Sample: 1228809 PWS575 Collected: 04/14/21 Analytes: Arro Tinted: UNICS Breach Breach ND Ug/L Carbon Tetrachloride ND Ug/L Chlorobenzene ND Ug/L Chlorobenzene ND Ug/L Chlorobenzene ND Ug/L Dibromonethane ND Ug/L Dibromonethane <th></th> <th>DI DI DI DI DI DI DI DI DI DI DI DI DI D</th> <th>LOD 0.25 0.25 0.27 0.27 0.27 0.25 0.24 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28</th> <th>LOQ 0.84 0.67 0.65 1.1 1.1 1.1 1.2 0.67 0.67 0.92 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.67 1.4 1.4</th> <th>MCL 80 80 80 80 80 80 80 80 80 80 80 80 80</th> <th>Note</th>		DI DI DI DI DI DI DI DI DI DI DI DI DI D	LOD 0.25 0.25 0.27 0.27 0.27 0.25 0.24 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	LOQ 0.84 0.67 0.65 1.1 1.1 1.1 1.2 0.67 0.67 0.92 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.67 1.4 1.4	MCL 80 80 80 80 80 80 80 80 80 80 80 80 80	Note
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		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	0.20 0.27 0.27 0.34 0.34 0.24 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	$\begin{array}{c} 0.67\\ 0.91\\ 0.91\\ 0.55\\ 0.55\\ 0.81\\ 0.67\\ 0.67\\ 0.67\\ 0.55\\ 0.92\\ 0.92\\ 0.92\\ 0.92\\ 0.92\\ 0.92\\ 0.66\\ 0.66\\ 0.66\\ 0.66\\ 0.63\\ 0.66\\ 0.66\\ 0.63\\ 0.66\\ 0.66\\ 0.63\\ 0.66\\ 0.66\\ 0.63\\ 0.66\\ 0.66\\ 0.63\\ 0.66\\$	80 80 80 80 80 80 80 75	
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hene ND		-	0.61	2.0	5	
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lethane		1	0.22	0.75		
QN		-	0.14	0.47	.2	
ara-Xylene ND		~	0.70	2.3	10000	
Q		~	0.41	1.4		
			13	44		
ON .			0.17	76.0 2 2		
one NU			7.7	0.1		
UN 1010			1.7	C.C		U
	0.07					0 0
1 Diudelle-uo (SUNK) 1 Encomparana (SLIRR) 1 Encomparana (SLIRR)	%0					o S
AALYSIS:		-				
J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.	antitation.					
S = This compound is a surrogate used to evaluate the quality control of a method.						

Project Tute. Template. April 2021 Template. April 2021 Template. April 2021 Template. April 2021 Antre 2.1251 Template. April 2021 Unit	Project Title: April 2021 Samula 1248810 Trip Blank Collected: 04/14/21 Anal							
T UNITS DIL LOD LOD MCL ugul 1 0.25 0.91 80 MCL ugul 1 0.27 0.91 80 MCL ugul 1 0.27 0.91 80 MCL ugul 1 0.17 0.17 0.91 80 90 ugul 1 0.17 0.27 0.91 80 90 90 ugul 1 0.17 0.17 0.55 5 90 <th>Sample: 1248810 Trip Blank Collected: 04/14/21 Analy</th> <th></th> <th>04/28/2021</th> <th>10:31</th> <th></th> <th></th> <th></th> <th></th>	Sample: 1248810 Trip Blank Collected: 04/14/21 Analy		04/28/2021	10:31				
RESULT UNICs Dit LOD OO MO 01 021 1 020 024 0 00		yzed: 04/19/21 - Analytes: 43						
ND ugit 1 025 084 5 ND ugit 1 027 091 5 ND ugit 1 028 083 ND ugit 1 028 093 ND ugit 1 018 ND Ugit 1 008 ND Ugit 1 008	ANALYTE NAME	RESULT	UNITS	DIL	гор	LOQ	MCL	Note
ND UgL 1 0.27 0.67 80 ND UgL 1 0.27 0.61 80 ND UgL 1 0.27 0.67 80 ND UgL 1 0.23 0.67 80 7 ND UgL 1 0.23 0.66 70 7 7<	Benzene	QN	ng/L	-	0.25	0.84	5	
MU UgL 1 0.27 2.9 00 ND UgL 1 0.87 2.9 00 ND UgL 1 0.87 2.9 00 ND UgL 1 0.81 0.81 0.61 0.61 0.61 0.61 0.61 0.61 0.61 0.6	Bromodichloromethane	QN	ng/L		0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromonorm		ng/L		0.27	1.6.0	βÜ	-
ND ug/L 1 0.34 1.1 0.04 1.1 0.04 1.1 0.04 1.1 0.04 1.1 0.04 1.1 0.04 1.1 0.04 1.1 0.04 1.1 0.05 0.0 0.01 <th0.01< th=""> <th0.01< th=""></th0.01<></th0.01<>	Carbon Tetrachloride	CIN CIN	- 10/l		0.17	0.55	ي.	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chlorobenzene	QN	uq/L		0.34	1.1	100	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroethane	QN	ng/L	Ł	1.5	5.0		
ND ug/L 1 020 057 067 ND ug/L 1 026 057 80 ug/L 1 028 059 ND ug/L 1 029 066 ND ug/L 1 029 ND ug/L 1 029 066 ND ug/L 1 029 ND ug/L 1 029 066 ND ug/L 1 029 ND ug/L 1 028 059 ND ug/L 1 029 ND ug/L 1 020 ND ug/L 1 029 ND ug/L 1 020 ND ug/L 1 029 ND ug/L 1 020 ND Ug/L 1 00	Chloroform	QN	ng/L	-	0.24	0.81	80	
ND ug/L 1 0.26 667 80 ND ug/L 1 0.21 0.57 80 ND ug/L 1 0.23 0.59 60 ND ug/L 1 0.28 0.95 60 ND ug/L 1 0.28 0.95 60 ND ug/L 1 0.20 0.66 75 ND ug/L 1 0.29 0.66 75 ND ug/L 1 0.20 0.66 75 ND ug/L 1 0.20 0.66 70 ND ug/L 1 0.20 0.66 70 ND ug/L 1 0.21 0.65 77 ND ug/L 1 0.21 0.65 70 ND ug/L 1 0.21 0.65 70 ND ug/L 1 0.21 0.65 70 ND ug/L 1 0.23 0.65 70 ND ug/L 1 0.21 0.75 5 1.2 700 ND ug/L 1 0.17 0.55 7000 ND ug/L 1 0.17 0.55 75 7000 ND ug/L 1 0.17 0.55 75 75 7000 ND ug/L 1 0.17 0.55 75 75 75 75 75 75 75 75 75 75 75 75 7	Chloromethane	QN	ng/L	~	0.81	2.7		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromochloromethane	QN	ng/L		0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Ulbromo-3-Chloropropane		ng/L		0.36	7.1		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dihromomethane		ng/L		0.47	0.71		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		<u>I</u>	ug/L tua/L		0.28	0.92	600	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.3-Dichlorobenzene	QN	na/L		0.28	0.93		
ND ug/L 1 0.59 2.0 ND ug/L 1 0.20 0.66 7 ND ug/L 1 0.19 0.64 5 ND ug/L 1 0.16 0.54 5 ND ug/L 1 0.16 0.54 5 ND ug/L 1 0.16 0.53 100 ND ug/L 1 0.20 0.65 5 ND ug/L 1 0.24 1.3 100 ND ug/L 1 0.33 1.1 700 ND ug/L 1 0.33 1.1 5 100 ND ug/L 1 0.33 1.1 5 5 5	1,4-Dichlorobenzene	QN	ng/L	-	0.30	0.99	75	
ND ug/L 1 0.20 0.66 70 ND ug/L 1 0.43 1.4 5 ND ug/L 1 0.19 0.66 70 ND ug/L 1 0.19 0.66 70 ND ug/L 1 0.16 0.64 70 ND ug/L 1 0.16 0.53 7 ND ug/L 1 0.16 0.53 7 ND ug/L 1 0.24 0.53 7 ND ug/L 1 0.24 0.53 7 ND ug/L 1 0.24 0.53 100 ND ug/L 1 0.23 1.1 700 ND ug/L 1 0.33 1.3 1.3 100 ND ug/L 1 0.33 1.3 1.3 100 ND ug/L 1 0.33 1.3 1.3 100 ND ug/L 1 0.34 1.3 100 1.	Dichlorodifluoromethane	ND	ug/L	1	0.59	2.0		
ND ug/L 1 0.43 14 5 ND ug/L 1 0.19 0.63 7 ND ug/L 1 0.19 0.64 100 ND ug/L 1 0.16 0.63 7 ND ug/L 1 0.16 0.63 5 ND ug/L 1 0.16 0.63 1 ND ug/L 1 0.24 0.81 ND ug/L 1 0.24 0.81 ND ug/L 1 0.23 11 700 ND ug/L 1 0.05 22 5 ND ug/L 1 0.05 22 5 ND ug/L 1 0.05 22 5 ND ug/L 1 0.01 0.31 100 ND ug/L 1 0.01 0.32 100 ND ug/L 1 0.01 0.35 12 5 ND ug/L 1 0.11 0.35 200 ND ug/L 1 0.11 0.35 200 ND ug/L 1 0.14 0.47 2 ND ug/L 1 0.14 1.4 ND ug/L 1 0.14 1.4 ND ug/L 1 0.14 1.4 ND ug/L 1 0.14 1.4 ND ug/L 1 0.14 0.47 2.3 ND ug/L 1 0.14 1.4 ND ug/L 1 0.14 0.47 2.3 ND ug/L 1 0.17 0.55 1000000000000000000000000000000000	1,1-Dichloroethane	DN	ug/L		0.20	0.66		
ND ug/L 1 0.19 0.63 7 ND ug/L 1 0.19 0.63 7 ND ug/L 1 0.19 0.64 5 ND ug/L 1 0.16 0.54 5 ND ug/L 1 0.16 0.53 11 700 ND ug/L 1 0.33 1.1 700 9 9 6 7 ND ug/L 1 0.33 1.1 700 9 1.1 700 9 9 6 7 9 9 6 7 9 9 1.1 700 9 9 1.1 700 9 9 1.1 700 9 9 1.1 700 9 9 1.1 700 9 9 1.1 700 9 9 1.1 700 9 9 1.1 700 1 1.1 700 1.1 1.1 700 1.1 1.1 7 1.1 1.1 1.1 1.1 1.1 <t< td=""><td>1,2-Dichloroethane</td><td>Q</td><td>ng/L</td><td>~</td><td>0.43</td><td>1,4</td><td>Ω.</td><td></td></t<>	1,2-Dichloroethane	Q	ng/L	~	0.43	1,4	Ω.	
ND ug/L 1 0.20 0.66 70 ND ug/L 1 0.16 0.64 50 ND ug/L 1 0.16 0.53 50 ND ug/L 1 0.16 0.53 50 ND ug/L 1 0.20 0.66 55 ND ug/L 1 0.33 1.1 700 ND ug/L 1 0.33 1.1 700 ND ug/L 1 0.34 1.3 700 ND ug/L 1 0.34 1.3 700 ND ug/L 1 0.34 1.3 700 ND ug/L 1 0.36 1.3 100 ND ug/L 1 0.16 0.55 5 ND ug/L 1 0.16 0.55 5 ND ug/L 1 0.16 0.75 5 ND ug/L 1 0.17 0.25 5 000 ND ug	1,1-Dichloroethene	QN	ug/L		0.19	0.63	7	
ND Ugh 1 0.19 0.044 100 ND Ugh 1 0.16 0.53 5 ND Ugh 1 0.16 0.53 5 ND Ugh 1 0.66 2.2 5 ND Ugh 1 0.33 1.1 5 ND Ugh 1 0.36 1.1 5 ND Ugh 1 0.16 0.55 5 ND Ugh 1 0.17 0.47 1.2 ND Ugh 1 0.17 0.47 1.4 ND Ugh 1 0.17 0.55	cis-1,2-Dichloroethene		ng/L	-	0.20	0.66	0/	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	trans-1,2-Uichloroethene		ng/L ug/L	- -	0.19	0.04	001	
ND ugL 1 0.16 0.33 ND ugL 1 0.16 0.33 ND ugL 1 0.61 2.0 5 ND ugL 1 0.66 2.2 5 ND ugL 1 0.66 2.2 5 ND ugL 1 0.66 2.2 5 ND ugL 1 0.33 1.1 700 ND ugL 1 0.34 1.1 5 ND ugL 1 0.16 0.35 200 ND ugL 1 0.11 0.35 200 ND ugL 1 0.16 0.35 5 ND ugL 1 0.16 0.35 5 ND ugL 1 0.14 0.35 5 ND ugL 1 0.14 0.35 1000 ND ugL 1 0.14 0.47 2 ND ugL 1 1 1 1			ng/L	- -	0,10	0.04	0	
ND ug/L 1 0.23 0.01 ND ug/L 1 0.61 2.0 5 ND ug/L 1 0.66 2.2 5 ND ug/L 1 0.66 2.2 5 ND ug/L 1 0.34 1.1 5 ND ug/L 1 0.38 1.3 100 ND ug/L 1 0.34 1.1 5 ND ug/L 1 0.34 1.1 5 ND ug/L 1 0.35 1.3 100 ND ug/L 1 0.16 0.35 500 ND ug/L 1 0.16 0.35 5 ND ug/L 1 0.14 0.47 2 ND ug/L 1 0.35 1.2 5 ND ug/L 1 0.35 1.2 5 ND ug/L 1 0.35 0.75 5 ND ug/L 1 0.41 <	tise 1.3-Dichloroproperie		ug/L		0.10	0.00		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			ug/L		0.24	10.0	400	
ND ug/L 1 0.66 2.2 0 ND ug/L 1 0.66 2.2 0 ND ug/L 1 0.38 1.3 100 ND ug/L 1 0.38 1.3 100 ND ug/L 1 0.38 1.3 100 ND ug/L 1 0.35 1.1 5 ND ug/L 1 0.16 0.35 200 ND ug/L 1 0.16 0.35 5 200 ND ug/L 1 0.16 0.35 1.2 5 5 ND ug/L 1 0.16 0.52 5 5 5 5 ND ug/L 1 0.17 0.35 1.2 5 5 5 ND ug/L 1 1 0.17 0.47 1.2 5 5 5 ND ug/L 1 0.41 0.41 0.41 6 6 6 6 6 6	Etriyiderizerie Mathviana chiorida		ng/L		0.53		100	
ND ug/L 1 0.40 1.3 100 ug/L 1 0.38 1.3 100 ND ug/L 1 0.38 1.3 100 ND ug/L 1 0.39 1.3 5 ND ug/L 1 0.10 0.36 100 ND ug/L 1 0.11 0.35 200 ND ug/L 1 0.16 0.52 5 ND ug/L 1 0.14 0.47 2 ND ug/L 1 0.17 0.47 2 ND ug/L 1 1 1 4 ND ug/L 1 1 2 1000 ND ug/L 1 1 1 4 ND ug/L 1 1 2 1000 ND ug/L 1 1 1 4 ND ug/L 1 1 1 1 <td< td=""><td>Nanhthalane</td><td></td><td>10/1</td><td></td><td>0.66</td><td>2.2</td><td>></td><td></td></td<>	Nanhthalane		10/1		0.66	2.2	>	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Stvrene	QN	na/L		0.40	<u>0</u>	100	
ND ug/L 1 0.34 1.1 5 ND ug/L 1 0.11 0.35 200 ND ug/L 1 0.16 0.52 5 ND ug/L 1 0.16 0.52 5 ND ug/L 1 0.35 1.2 5 ND ug/L 1 0.12 0.75 5 ND ug/L 1 0.12 0.75 5 ND ug/L 1 0.70 2.3 1000 ND ug/L 1 0.71 0.75 5 ND ug/L 1 0.71 0.75 5 ND ug/L 1 1.3 44 1.4 ND ug/L 1 1.7 5.5 5 98% 1 1 1.7<	ortho-Xvlene	QN	ng/L	-	0.38	1.3		
ND ug/L 1 0.29 0.98 1000 ND ug/L 1 0.11 0.35 200 ND ug/L 1 0.16 0.52 5 ND ug/L 1 0.22 0.75 5 ND ug/L 1 0.22 0.75 5 ND ug/L 1 0.22 0.75 5 ND ug/L 1 0.17 0.75 5 ND ug/L 1 0.70 2.3 1000 ND ug/L 1 0.71 0.57 2 ND ug/L 1 1.4 1.4 1.4 ND ug/L 1 1.7 5.5 3 ND ug/L 1 2.7 9.0 3 ND ug/L 1 1.7 5.5 3 98% 1 1 1.7 5.5 3	Tetrachloroethene	QN	ug/L	F	0.34	1.1	5	
ND ug/L 1 0.11 0.35 200 ND ug/L 1 0.16 0.52 5 ND ug/L 1 0.22 0.75 5 ND ug/L 1 0.22 0.75 5 ND ug/L 1 0.22 0.75 5 ND ug/L 1 0.14 0.47 2 ND ug/L 1 0.17 0.47 2 ND ug/L 1 13 44 ND ug/L 1 13 44 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5	Toluene	QN	ug/L	~	0.29	0.98	1000	
ND ug/L 1 0.16 0.52 5 ND ug/L 1 0.35 1.2 5 ND ug/L 1 0.22 0.75 5 ND ug/L 1 0.22 0.75 5 ND ug/L 1 0.14 0.47 2 ND ug/L 1 0.41 1.4 2 ND ug/L 1 13 44 4 ND ug/L 1 13 44 1.4 ND ug/L 1 1.7 5.5 9.0 ND ug/L 1 1.7 5.5 9.0 ND ug/L 1 1.7 5.5 9.0 95% 1 1 1.7 5.5 9.0	1,1,1-Trichloroethane	QN	ng/L	-	0.11	0.35	200	
ND UG/L 1 0.35 1.2 5 ND Ug/L 1 0.22 0.75 2 ND Ug/L 1 0.14 2.2 10000 ND Ug/L 1 0.17 2.44 ND Ug/L 1 1.4 1.4 ND Ug/L 1 1.4 1.4 ND Ug/L 1 1.57 9.0 ND Ug/L 1 1.7 5.5 ND Ug/L 1 1.7 5.5	1,1,2-Trichloroethane	Q	ng/L	~ .	0.16	0.52		
ND Ug/L 1 0.42 0.75 ND Ug/L 1 0.14 0.47 2 ND Ug/L 1 0.70 2.3 10000 ND Ug/L 1 1.4 ND Ug/L 1 1.4 ND Ug/L 1 1.3 ND Ug/L 1 1.2 ND Ug/L 1 2.7 9.0 ND Ug/L 1 1.7 5.5 108% 1 1 1.7 5.5 MA US/S	Trichloroethene		ng/L	, ,-	0.35	7.1	ç	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	I richlorofluoromethane		ng/L		77.0	0./0	c	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			ug/L		0.14	0.47	70001	
ND ug/L 1 13 44 ND ug/L 1 0.57 ND ug/L 1 0.57 ND ug/L 1 0.57 ND ug/L 1 2.7 ND ug/L 1 2.7 95% 1 1 5.5	IIIela, para-Ayierie MATDE		1/0/1		0.10	0.7 4 L	00001	
ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 108% 1 1.7 5.5 98% 1 1 1.7 95% 1 1	MILDL. Acetone		10/1		13	44		
ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 108% 1 1.7 5.5 98% 1 1 95% 1	Carbon Disulfide	Q	ua/L		0.17	0.57		
ND ug/L 1 1.7 5.5 108% 1 1 98% 1 95% 1 1	Methvi Ethvi Ketone	QN	na/L	~	2.7	9.0		
108% 1 98% 1 95% 1 95% 1	Tetrahvdrofuran	QN	ng/L	~	1.7	5.5		
98% 1 95% 1 11 YSIS:	Dibromofluoromethane (SURR)	108%)	-				S
1 VSIS: 55% 1	Toluene-d8 (SURR)	98%		1				S
NOTES APPI ICARI E TO THIS ANAI YSIS-	1-Bromo-4-Fluorobenzene (SURR)	95%		~ -				S
	NOTES APPLICABLE TO THIS ANALYSIS:							

NLS Private Well Sampling Form and Chain Of Custody

SITE: Marathon Co. Solid Waste Management Dept. / BRRDF – Private Wells 1A

NLS Lab #:	Point Name / Homeov	wner: PW11	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (q	uant,text,color):
1248807	William 1		027					
	R222780 Dunca		ļ		<u> </u>		1	Treated (Y/N):
Date Sampled:	Time Sampled:	Sample Location:		. in BAca	af lla	005		ricaled (1711).
4-14-21	0920	15	· Well	. IN SITCLE	-00 40			
Comments:								
DEPTH OF WATER	<u>23.55</u>	K	Courp	NOT C	occect	- Sim	pre	
DEPTH OF BOTTO	M_27,50		WAT	re Sap	pcy :	situt a	$+t^2$	
4/13: South house fau	ıcet				· · · · · ·			

NLS Lab #:	Point Name / Homeov	wner: PW26	DNR 1D #:	Time Purged:	Color:	Odor:	Turbidity (quant,text,color):
8808	James Glo R222470 Dunca		029	5 min	ND	NB	ND
Date Sampled:	Time Sampled:	Sample Location:				,	Treated (Y/N):
4-14-21	0950	OUTSIDE	E FAC	ICET WE	ET SIDE C	of House	$=$ \mathcal{N}
Comments:							
İ							
		1		us to purgo little	or no water b	pefore samplir	na)
As of 11/06: K	Kitchen Sink (hand	a dug well, owne	r may want	us to purge nute	OI IIO WALEI L	Jerore samplin	1 <u>6</u>)

NLS Lab #:	Point Name / Homeo	wner: PW8575	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (q	uant,text,color):
8809		Krista Bates Silk, Ringle	367	5 min	ND	ND	ND	
Date Sampled:	Time Sampled:	Sample Location:		<u> </u>	<u>~</u>	•		Treated (Y/N):
4.14 21	1005	FRONT	of t	fouse c	UTSIDE	FAULET		N
Comments:	L <u></u>							
Outside faucet side o	f house							
<u>in an /u>								

NLS Lab #:	Point Name / Homeo Trip Bl		DNR ID #: 999	Time Purged:	Color:	Odor:	Turbidity (quant,text,color):
Date Sampled:	Time Sampled:	Sample Location:		·			
Comments:		L					
Rev 10/18	3				See r	everse side for sample	custody information

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

State of Wisconsin Department of Natural Resources

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis, Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- Prepare one form for each license or monitoring ID.
- * Please type or print legibly.

* Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.

- * Attach a notification of any gas values that attain or exceed explosive gas levels.
- * Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact WA/5

GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921

Monitoring Data Submittal Information			
Name of entity submitting data (laboratory, consultar Northern Lake Service, Inc.	nt, facility owner):		
Contact for questions about data formatting. Include	data preparer's name, telephone n	umber and E-mail address:	
Name: Chris Geske	and the second second second for the second	78-2777	
E-mail: lims@nlslab.com			
Facility Name	License No. / Monitoring ID	Facility ID [FID] Actu	al sampling dates (e.g., July 2-6, 200
Marathon County Area A Private Wells	02892		APRIL -14-2021
The enclosed results are for sampling required in the APRIL -2021	month(s) of: (e.g., June 2003)		
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring we Groundwater monitoring data from private water Leachate monitoring data		hitoring data foring data becify)	
Notification attached? No. No groundwater standards or explosive gas limits were excer Yes, a notification of values exceeding a groundwater standard is groundwater standard and preliminary analysis of the cause ar Yes, a notification of values exceeding an explosive gas limit is a	s attached. It includes a list of monitoring points and significance of any concentration.		
explosive gas límits.	interior in motors are normaling point, and		18.2.28.000
Certification		and the second of the	n
To the best of my knowledge, the information rep are true and correct. Furthermore, I have attached groundwater standards or explosive gas levels, a concentrations exceeding groundwater standards David Hayen Sucher	d complete notification of any sai nd a preliminary analysis of the c s.	mpling values meeting or e	
Facility Representative Name (Print)	Title	(Area (Code) Telephone No.
David Hayabah	5/14/21		
Signature	Date		
FOR DNR USE ONLY. Check action tai	Initials Uploade	d data successfully on	

Marathon County Solid Waste Mgmnt Dept Marathon County Area A Private Wells 04-01-2021

> Lab ID: 721026460 NLS Project: 364445 Collected: 04-01-2021 License: 02892 FID:

EXCEEDANCES:

	I AIAIIICICI	OUITS	Result	PAL/ACL	S	Commente
				10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

Notes: site = site assigned PAL/ES : well assigned PAL/ES : NR140.10 = NR140 Public Health PAL/ES : NR140.12 = NR140 Public Welfare PAL/ES

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	LEPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 04/22/21 Page 1 of 9	721026460 lo. 105-330 o. WI00034 Page 1 of 9
Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754			ner: 21	364445 364445 20080 5 446 3339
Project: Marathon County Area A Private Wells April 2021 PW25 NLS ID: 1248814 Matrix: GW Collected: 04/14/21 08:42 Received: 04/14/21				
Parameter Field color Field odor	Result Control Units none detected none detected	Dilution	thod	Lab 721026460 721026460
Field turbidity VOCs (water) by GC/MS	none detected see attached		04/14/21 NA 04/19/21 SW846 8260C	721026460 721026460
to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dution and/or solids content. ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable Reviewed by: DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL: President	<pre>I with an asterisk(*) are considered Repor LOQ = Limit of Quantitation NA 1000 ug/L = 1 mg/L . Shaded results indicate >MCL:</pre>	eporting Limits. All LOD/LOQs adjusted NA = Not Applicable Reviewed by:	Isted to reflect dution and/or solids content. ad by: \mathcal{N} and \mathcal{L} and \mathcal{L} by \mathcal{P}	Authorized by: R. T. Krueger President
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ORTWDNR Laboratory ID No. 721026460WDATCP Laboratory Certification No. 105-330EPA Laboratory ID No. W100034Printed:04/22/21Page 2 of 9NLS Project:364445NLS Customer:20080Fax: 715 446 2906Phone: 715 446 3339	Matrix: GW Matrix: GW Collected: 04/14/21 08:20 Received: 04/14/21 Nalyzed Method Lab Parameter Collected: 04/14/21 08:20 Result 121026460 Field color 00/14/21 NA 721026460 721026460 Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". LOD and LOQ tagged with an asterisk() are considered Reporting Limits. All LOD/LOOs adjusted to reflect duition and/or solids content. 721026460 Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOD and LOQ tagged with an asterisk() are considered (< LOD) LOD = Limit of Quantitation NA = NI LOD/LOOS adjusted to reflect duition and/or solids content. ND = Not Detected (< LOD) LOD LOD LOD LOD/LODS adjusted to reflect duition and/or solids content. DW = Solo	
ANALYTICAL REPORT	Result Units none detected units none detected see attached see attached see attached but less than the LOQ and are within a regio th an asterisk(*) are considered Reporting Li LOQ = Limit of Quantitation NA = Not 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754 Project: Marathon County Area A Private Wells April 2021 PW68 NLS ID: 1248815	Matrix: GW Matrix: GW Collected: 04/14/21 08::20 Received: 04/14/21 Result Units Dilution LOD LOQ/MCL Analyzed Method Parameter Result Units Dilution LOD LOQ/MCL Analyzed Method Parameter none detected 04/14/21 NA 04/14/21 NA 04/14/21 NA Field color none detected 04/14/21 NA 04/14/21 NA VOCs (water) by GC/MS see attached 04/14/21 NA 04/14/21 NA VOCs (water) by GC/MS see attached 04/14/21 NA 04/14/21 NA VOCs (water) by GC/MS see attached 04/14/21 NA 04/14/21 NA VOCs (water) by GC/MS see attached 04/14/21 NA 04/14/21 NA VOCs (water) by GC/MS see attached 04/14/21 NA 04/14/21 NA VOCs (water) by GC/MS see attached 04/14/21 NA 04/14/21 NA VOCs (water) by GC/MS Second Conduction 04/14/21 NA 04/14/21 NA VOCs (water) by GC/MS Not by Intersection 04/14/21 NA 04/14/21 NA ND = Not Detected (< LOD)	

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 04/22/21 Page 3 of 9	
Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754		er Preri Preri	
Project: Marathon County Area A Private Wells April 2021 Pw18 NLS ID: 1248816 Atrix: GW Collected: 04/14/21 08:30 Received: 04/14/21			
	Result none detected none detected none detected sce attached	Dilution LOD LOQ/MCL Analyzed Method Lab 04/14/21 NA 721026460 04/14/21 721026460 04/14/21 NA 721026460 04/14/21 NA 721026460 04/14/21 NA 721026460 04/14/21 NA 721026460 04/14/21 NA 721026460 04/19/71 NA46 8760C 771076460	
/alues in brackets represent results greater than or equal to the LO o be in the region of "Certain Quantitation". LOD and LOQ tagged • ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.	DD but less than the LOQ and are within a reg with an asterisk(*) are considered Reporting I LOQ = Limit of Quantitation NA = Noi 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	it Loo	

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NORTHEF Analytical I 400 North L Ph: (715)-41	NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 04/22/21 Page 4 of 9	460 330 334
Client:	Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754		ner: *: 71	145 080 339
Project:	Marathon County Area A Private Wells April 2021			
PW19 NLS Matrix: GW Collected: 04/	PW19 NLS ID: 1248817 Matrix: GW Collected: 04/14/21 07:55 Received: 04/14/21			
Parameter Field color		Result	Dilution LOD LOQ/MCL Analyzed Method Lab 04/14/21 NA 721026460	460
Field odor		none detected		460
Field turbidity		none detected		460
VOCs (water) by GC/MS) by GC/MS	see attached	04/19/21 SW846 8260C 721026460	460
Values in bra to be in the re	ckets represent results greater than or equal to the LOD signon of "Certain Quantitation". LOD and LOQ tagged w	but less than the LOQ and are within a regitin an asterisk(*) are considered Reporting L	Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LoD and/or solids content.	sidered
ND = Not Detected (< LOI DWB = Dry Weight Basis MCL = Maximum Contami	 LOD = Limit of Detection %DWB = (mg/kg DWB) / 10000 nant Levels for Drinking Water Samples. 	LOQ = Limit of Quantitation NA = Not 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	NA = Not Applicable Reviewed by: \mathcal{PALK}	ed by: ueger

NORTHE Analytical 400 North Ph: (715)⊸	NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034	
Client:	Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754		ner: 2	
Project:	Project: Marathon County Area A Private Wells April 2021			
PW24 NI Matrix: GW Collected: 0-	PW24 NLS ID: 1248818 Matrix: GW Collected: 04/14/21 08:55 Received: 04/14/21			
Parameter Field color	Result a non-determined and the second s	Result Units Units none detected	Dilution LOD LOQ/MCL Analyzed Method Lab 04/14/21 NA 721026460	
Field odor		none detected		
Field turbidity VOCs (water)	Field turbidity VOCs (water) by GC/MS	none detected see attached	04/14/21 NA 721026460 04/19/21 SW846 8260C 721026460	
Values in br to be in the	rackets represent results greater than or equal to the LOI region of "Certain Quantitation". LOD and LOQ tagged v) but less than the LOQ and are within a reg vith an asterisk(*) are considered Reporting I	Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dution and/or solids content.	ed
$ND = Not D_{e}$	ND = Not Detected (< LOD) - LOD = Limit of Detection	I OO = I imit of Ouantitation NA = No	NA = Not Annicable	

or solids content. NA = Not Applicable

ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.

LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.

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q G Reviewed by:

Authorized by: R. T. Krueger President

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 04/22/21 Page 6 of 9
Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754		ner: 21
Project: Marathon County Area A Private Wells April 2021		
PW17 NLS ID: 1248819 Aatrix: GW Collected: 04/14/21 09:35 Received: 04/14/21		
Parameter i ser i ser e de la serie de la ser	Result Units	Dilution LOD LOQ/MCL Analyzed Method Lab 04/14/21 NA 721026460
ield odor	none detected	04/14/21 NA 721026460
ield turbidity /OCs (water) by GC/MS	none detected see attached	46 8260C
/alues in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the o be in the region of "Less-Certain Quantitation". Results greater than or equal to the object in the region of "Less-Certain Quantitation". Results greater than or equal to th	 but less than the LOQ and are within a regioning the area considered Reporting Li 	e LOQ
ND = Not Detected (< LOD) LOD = Limit of Detection NWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 //CL = Maximum Contaminant Levels for Drinking Water Samples.	LOQ = Limit of Quantitation NA = Not. 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	NA = Not Applicable Reviewed by: \mathcal{MAR} \mathcal{R} R. T. Krueger President

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 04/22/21 Page 7 of 9
Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	· · · · · · · · · · · · · · · · · · ·	t: ner: e: 71
Project: Marathon County Area A Private Wells April 2021 PW64 NLS ID: 1248820 Matrix: GW Collected: 04/14/21 08:10 Received: 04/14/21		
Parameter Field color Field odor Field turbidity VOCs (water) by GC/MS	Result Dilution Dilution See attached	LOD LOQ/MCL Analyzed Method Lab 04/14/21 NA 721026460 04/14/21 NA 721026460
Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to th to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content. ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable Reviewed by: DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.	D but less than the LOQ and are within a region of "Less-Cer vith an asterisk(*) are considered Reporting Limits. All LOD/ LOQ = Limit of Quantitation NA = Not Applicable 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	ritain Quantitation". Results greater than or equal to the LOQ are considered VLOQs adjusted to reflect dlution and/or solids content. Reviewed by:
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NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520	ANALYTICAL REPORT	- WDNR Laboratory ID No. WDATCP Laboratory Certification N EPA Laboratory ID N
Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754		Printed: 04/22/21 Page 8 of 9 NLS Project: 364445 NLS Customer: 20080 Fax: 715 446 2906 Phone: 715 446 3339
Project: Marathon County Area A Private Wells April 2021 PW88 NLS ID: 1248821 Matrix: GW		
Parameter Field color	Result none detected	Dilution LOD LOQ/MCL Analyzed Method Lab 04/14/21 NA 721026460 04/14/24 NA 721026460
rield turbidity	none detected	NA
VOCs (water) by GC/MS	see attached	04/19/21 SW846 8260C 721026460
to be in the region of "Certain Quantitation". LOD and LOQ tagged w ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCI = Maximum Contaminant Levels for Drinking Water Samples	with an asterisk(*) are considered Reporting LOQ = Limit of Quantitation NA = No 1000 ug/L = 1 mg/L Shaded results indicate >MCL	to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content. ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable Reviewed by: $\mathcal{M}_{\text{eff}} \in \mathcal{M}_{\text{eff}} = 1$ mg/L Reviewed by: $\mathcal{M}_{\text{eff}} = 1$ mg/L Reviewed By: $$
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NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. WDATCP Laboratory Certification N EPA Laboratory ID N Printed: 04/22/21	. 721026460 No. 105-330 Io. W100034 Page 9 of 9
Client: Marathon County Solid Waste Mgmnt Dept Attn: Dave Hagenbucher Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754		NLS Project: NLS Customer: Fax: 715 446 2906 Phone: 71	roject: 364445 ustomer: 20080 Phone: 715 446 3339
Project: Marathon County Area A Private Wells April 2021			
PW48 NLS ID: 1248822 datrix: GW collected: 04/14/21 07:45 Received: 04/14/21			
arameter	network the state of Units and the second seco	Dilution LOD LOQ/MCL Analyzed Method 04/14/21 NA	Lab 721026460
Field odor	none detected	04/14/21 NA	721026460
-ield turbidity	none detected	04/14/21 NA	721026460
/OCs (water) by GC/MS	see attached	04/19/21 SW846 8260C	721026460
/alues in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the o be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content.	but less than the LOQ and are within a regio th an asterisk(*) are considered Reporting Li	/alues in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered o be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dution and/or solids content.	Q are considered
VD = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 ACL = Maximum Contaminant Levels for Drinking Water Samples.	LOQ = Limit of Quantitation NA = Not 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	NA = Not Applicable Reviewed by: \mathcal{P}	Authorized by: R. T. Krueger President

AL RESOL 15: VOUS by FactOcues Practice Marathon County Setto Gunty Area A Private Wells Seription: Marathon County Area A Private Wells Marathon County Series 04/19/21 - Analytes 43 No by Usite Marathon County Area A Private Wells Marathon Will 2021 - Analytes 43 Marathon Will 2021 - Analytes 43 Maratho	0.021 0.08:	LOD 0.25 0.27 0.27 0.27 0.27 0.20 0.20 0.20 0.21 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	LOQ LOQ 0.91 0.67 0.67 1.55 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.95 0.95 0.95 0.81 0.67 0.81 0.81 0.81 0.84 0.95 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.97 0.92 0.93 0.93 0.99 0.90 0.	Aadge of a
3 Printed: 04/22/2021 Ses: 43 ND UG/L ND UG/L	2/2021 08:13 2/2021 08:13 NITS DIL Ug/L 1 1 1 Ug/L 1 1 1 1 Ug/L 1	LOD LOD 0.25 0.25 0.17 0.34 0.17 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	LOQ LOQ 0.67 0.67 0.67 1.1 1.1 0.67 0.81 0.81 0.81 0.81 0.82 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	Note
ss: 43 RESULT UNTS ND ug/L ND ug/L		LOD LOD 0.25 0.26 0.27 0.34 1.5 0.34 0.17 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.26 0.26 0.26 0.27 0.26 0.27 0.26 0.27 0.27 0.26 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.26 0.27 0.26 0.2	LOQ LOQ 0.84 0.84 0.67 1.55 0.93 0.67 1.2 0.67 0.67 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.65 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.81 0.67 0.81 0.67 0.81 0.67 0.81 0.67 0.81 0.67 0.81 0.67 0.67 0.81 0.67 0.81 0.67 0.67 0.67 0.81 0.67 0.81 0.67 0.81 0.67 0.81 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.71 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.667 0.667 0.667 0.667 0.667 0.667 0.667 0.667 0.667 0.74 0.693 0.993 0.993 0.993 0.993 0.995	Note
ME RESULT UNS UNS <thuns< t<="" th=""><th></th><th>LOD 0.25 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27</th><th>LOQ 0.84 0.67 0.91 1.1 2.9 0.55 0.81 0.85 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</th><th>Note</th></thuns<>		LOD 0.25 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	LOQ 0.84 0.67 0.91 1.1 2.9 0.55 0.81 0.85 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	Note
ND ND Ine ND Chloride ND Chloride ND Chloride ND Ine ND Choride ND Ine ND		0.25 0.27 0.27 0.37 0.34 0.36 0.20 0.28 0.28 0.28 0.28 0.28 0.28 0.28	0.84 0.67 0.67 1.1 1.2 0.81 0.81 0.87 0.85 0.89 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.9	
ND ND Ine ND Achloride ND		0.20 0.27 0.27 0.27 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	0.67 0.91 0.91 0.55 0.67 1.2 0.66 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	
International and		0.27 0.37 0.34 0.36 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	0.91 1.55 1.15 1.15 1.12 1.2 0.67 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.67 0.55 0.67 0.55 0.67 0.55 0.67 0.66 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.95 0	
Achonicide ND Colloride ND Colloride ND Colloride ND Colloride ND Collorethane		0.17 1.5 0.34 0.24 0.28 0.17 0.28 0.17 0.28 0.13 0.43 0.19	0.65 1.1 1.1 0.81 0.81 0.67 0.67 0.65 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.67 0.65 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.95 0.	
ne ne ne ne ne ne ne ne ne ne		0.34 1.5 0.24 0.21 0.23 0.17 0.28 0.17 0.28 0.17 0.28 0.17 0.28 0.13 0.13 0.13	1.1 5.0 0.81 0.87 1.2 1.2 0.67 0.93 0.93 0.93 0.93 0.93 0.66 0.93 0.66 0.66	
e ND		1.5 0.24 0.81 0.20 0.20 0.28 0.28 0.29 0.43 0.19	5.0 0.81 0.67 1.2 1.2 0.65 0.93 0.93 0.93 0.93 0.66 0.93 0.66 0.66 0.66	
Ine ND Ine ND Contentane ND Formation ND Formation ND Entrane ND En	1/67 1/67 1/67 1/67 1/67 1/67 1/67 1/67	0.24 0.81 0.20 0.20 0.28 0.28 0.28 0.28 0.43 0.43	0.81 2.7 1.2 1.2 0.65 0.93 0.93 0.66 0.93 0.66 0.63	
Incentration in the competition	100 100 100 100 100 100 100 100	0.81 0.20 0.28 0.17 0.28 0.29 0.29 0.43 0.19	2.7 1.2 0.67 0.71 0.55 0.93 0.99 0.66 0.66 0.66	
comethane ND 3-Chloropropane ND entrane ND entrane ND entrane ND nane ND nonethane ND onoethane ND norothene		0.20 0.36 0.17 0.28 0.29 0.43 0.19	0.67 1.2 0.71 0.55 0.99 0.66 1.4 1.4 0.66	
3-Chloropropane ND athane ND athane ND Denzene ND Donomethane ND Dropotene ND Inforde ND Inforopropene ND Inforde ND Octhane ND Inforde ND Inford ND		0.36 0.21 0.17 0.28 0.29 0.43 0.19	1.2 0.71 0.55 0.92 0.99 0.99 0.66 0.66 0.65	
ethane anne ND anne ND enzene ND encente ND encente ND ethane ND e	100 100 100 100 100 100 100 100	0.21 0.17 0.28 0.29 0.43 0.19	0.71 0.55 0.93 0.99 0.66 0.66 0.65 0.65	
name NU Denzene ND Dromethane ND Sthane ND Dromethane ND Droethene ND Droptopene ND Inforopropene ND Inforde ND Ordene ND Inforde ND		0.17 0.28 0.29 0.43 0.19	0.03 0.93 0.93 0.66 0.63 0.63 0.63	
ND Concertance Concertance Concertance Concertance Sthane Sthane Sthane Sthane Sthane ND ND ND ND ND ND ND ND ND ND	100 101 102 102 102 102 102 102 102 102	0.28 0.28 0.59 0.43 0.19	0.93 0.99 0.66 0.63 0.63 0.63	
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ND Concethane Ithane Ithane Ithane Ithane Incethene ND ND ND ND ND ND ND ND ND ND ND ND ND	ug/L 19/L 19/L 11	0.59 0.59 0.43 0.19	0.53 0.66 0.63 0.63 0.63	
ontretratione efficatione efficatione fiftente fiftente horoefthente noropropente noropropente noropropente horopropente noropropent	1	0.20	0.66 0.66 0.63 0.63	
ND Alloroethene ND notethene ND nopane ND ND ND ND ND ND ND ND ND ND	lg/L 1	0.43	0.63	
there there ND	1	0.19	0.63	
notestication propertient inforcethene propropene inforopropene inforopropene inforopropene information informatio	1 1		0.66	
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oropane ND	I 1	0.19	0.64.	
oropropene ND	1 Jar	0.16	0.54	
hloropropene ND ND ND ND ND ND ND ND ND ND	lg/L 1	0.16	0.53	
e ND ND ND ND ND ND ND ND ND ND ND ND ND	lg/L 1	0.24	0.81	
ND ND ND ND ND ND ND ND ND ND ND ND ND N	ug/L 1	0.33	1.1	
ND hene ND ND ND ND ND ND ND ND ND ND ND ND	lg/L 1	0.61	2.0	
ND thene ND roethane ND roethane ND roethane ND roethane ND	l 1 Jg/L 1	0.66	2.2	
thene ND coethane ND coethane ND coethane ND coethane ND coethane ND	l 1 Jg/L 1	0.40	1.3	
nene ND Dethane ND Dethane ND Dethane ND Dethane ND		0.38	1.3	-
Dethane ND Dethane ND Dethane ND Dethane ND	ig/L 1	0.34	1.1	
Defnane ND Defnane ND ND Defnane ND	1 <u>g/L</u> 1	67.0	0.98	
Derrarie ND ND Dmethane ND		0.15	0.53	
Dimethane	1 <u>9/L</u>	0.10	1.0	
		0.22	0.75	
		0.14	0.47	
lene	1 1/br	0.70	2.3	
QN	lg/L 1	0.41	1.4	
[36]	lg/L 1	13	44	ŗ
	lg/L 1	0.17	0.57	
Methyl Ethyl Ketone ND ug/L 1	lg/L 1	2.7	0.0	
<u>a</u>	Ig/L 1	1.7	5.5	
Dibromofluoromethane (SURR) 105% 105%	~			s
	~ ~			ν ν
1-Bromo-4-Fluorobenzene (SURR) 93%	-			N N

NLS Project: 36445 Null S Project: 36445 Null S Project: 36445 Weilis Exited: 04/22/01 08:13 Null S Project: 36445 Null S Project: 36445 Result UNITS Dil L D.0 Null S Dil L D.0 Result UNITS Dil L D.0 Null S Dil L D.0 ND Ugl L 1 0.25 0.81 1 0.81 Null S ND Ugl L 1 0.26 0.81 1 0.27 0.81 ND Ugl L 1 0.23 0.81 1 0.81 0.81 ND Ugl L 1 0.26 0.81 0.81 0.81 ND Ugl L 1 0.26 0.81 0.81 0.81 ND Ugl L 1 0.26 0.81 0.81 0.81 ND UN 0.91 1 0.23 0.91 0.91 ND UN 0.91 0.91 0.92 0.91	ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water				Parre 2 of 9
33 Printed: 04/22/2021 08:13 34 Printed: 04/22/2021 Dil LOD Dol 84.33 Pinted: 04/22/2021 Dil LOD Dol ND ug/L 1 0.25 0.84 ND ug/L 1 0.27 0.94 ND ug/L 1 0.27 0.94 ND ug/L 1 0.27 0.94 ND ug/L 1 0.26 0.84 ND ug/L 1 0.27 0.91 ND ug/L 1 0.26 0.84 ND ug/L 1 0.26 0.81 ND ug/L 1 0.26 0.81 ND ug/L 1 0.23 0.11 0.24 ND ug/L 1 0.23 0.24 0.24 ND ug/L 1 0.23 0.24 0.24 ND ug/L 1 0.23 0.24 <td>Wells</td> <td>Project: 364445</td> <td></td> <td></td> <td></td>	Wells	Project: 364445			
843 ND UNTS DIL LOD LOD LOD LOD LOD ND Ug/L 1 0.25 0.34 ND Ug/L 1 0.25 0.34 ND Ug/L 1 0.25 0.34 ND Ug/L 1 0.27 0.34 1 0.34 <th0.34< th=""> <th0.34< th=""> <th0.34< th=""></th0.34<></th0.34<></th0.34<>	33 C	Printed: 04/22/202	1 08:13		
RESULT UNTS DIL DO DO DO DO ND Ug/L 1 0.27 0.27 0.24 ND Ug/L 1 0.27 0.24 0.24 ND Ug/L 1 0.27 0.24 0.24 ND Ug/L 1 1 0.27 0.24 ND Ug/L 1 0.27 0.24 0.27 ND Ug/L 1 0.26 0.27 0.27 ND Ug/L 1 0.23 0.27 0.27	Sample: 1248815 PW68 Collected: 04/14/21 Analyzed: 04/19/21 - Analytes: 4:	3			
$ \begin{array}{llllllllllllllllllllllllllllllllllll$		_	DIL	гор	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$, -	0.25	0.84
$ \begin{array}{llllllllllllllllllllllllllllllllllll$			~	0.20	0.67
$ \begin{array}{llllllllllllllllllllllllllllllllllll$			~ ~	0.27	0.91
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			~	0.47	Z.9
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			<-	0.17	C:0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				40.0 4 F	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				0.1	0.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				0.24	0.61
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				0.01	2./ n 67
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				0.26	1.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				0.20	0.71
ND ugh 1 0.26 0.92 ND ugh 1 0.28 0.93 0.93 ND ugh 1 0.28 0.93 0.99 ND ugh 1 0.20 0.99 0.93 0.93 ND ugh 1 0.20 0.93 0.93 0.93 ND ugh 1 0.20 0.93 0.93 0.93 ND ugh 1 0.20 0.93 0.64 0.65 0.65 ND ugh 1 0.19 0.91 1 0.79 0.65 0.65 ND ugh 1 0.19 0.66 0.65 0.66 0.65 ND ugh 1 0.70 0.66 0.65 0.66 0.65 ND ugh 1 0.19 0.61 0.61 0.61 0.61 0.64 0.64 0.64 0.64 0.64 0.64 0.64 0.64				0.17	0.55
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ene			0.28	0.92
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				0.28	0.93
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			~	0.30	0.99
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			1	0.59	2.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			~	0.20	0.66
ND ug/L 1 0.19 0.63 ND ug/L 1 0.19 0.66 ND ug/L 1 0.16 0.53 ND ug/L 1 0.33 1.1 ND ug/L 1 0.35 0.75 ND ug/L 1 <td></td> <td></td> <td>~-</td> <td>0.43</td> <td>1.4</td>			~ -	0.43	1.4
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			~	0.19	0.63
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			~	0.20	0.66
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	iene		~	0.19	0.64
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			-	0.16	0.54
ND ug/L 1 0.24 0.81 ND ug/L 1 0.33 1.1 ND ug/L 1 0.66 2.2 ND ug/L 1 0.66 2.2 ND ug/L 1 0.66 2.2 ND ug/L 1 0.38 1.1 ND ug/L 1 0.38 1.1 ND ug/L 1 0.38 1.1 ND ug/L 1 0.36 0.36 ND ug/L 1 0.11 0.35 ND ug/L 1 0.17 0.35 ND ug/L 1 0.16 0.7 ND ug/L 1 0.17 0.7 ND ug/L 1 0.7 0.7 ND ug/L 1 0.7 0.7 ND ug/L 1 0.7 0.7				0.16	0.53
ND ug/L 1 0.33 1.1 ND ug/L 1 0.66 2.0 ND ug/L 1 0.66 2.0 ND ug/L 1 0.66 2.2 ND ug/L 1 0.66 2.2 ND ug/L 1 0.66 2.2 ND ug/L 1 0.38 1.3 ND ug/L 1 0.34 1.1 ND ug/L 1 0.16 0.52 ND ug/L 1 0.16 0.52 ND ug/L 1 0.14 0.47 ND ug/L 1 0.76 0.75 ND ug/L 1 0.76 0.77 ND ug/L 1 0.76 0.77 ND ug/L 1 0.76 0.77 ND ug/L 1 0.71 0.77	loropropene		~	0.24	0.81
ND ug/L 1 0.61 2.0 ND ug/L 1 0.66 2.2 ND ug/L 1 0.46 1.3 ND ug/L 1 0.46 1.3 ND ug/L 1 0.38 1.1 ND ug/L 1 0.38 1.1 ND ug/L 1 0.36 1.2 ND ug/L 1 0.16 0.35 ND ug/L 1 0.16 0.52 ND ug/L 1 0.14 0.47 ND ug/L 1 0.14 0.47 ND ug/L 1 0.47 0.47 ND ug/L 1 0.14 0.47 ND ug/L 1 0.70 2.3 ND ug/L 1 0.77 0.44 ND ug/L 1 0.77 0.57 ND ug/L 1 <td></td> <td></td> <td></td> <td>0.33</td> <td>1.1</td>				0.33	1.1
ND ug/L 1 0.66 2.2 ND ug/L 1 0.40 1.3 ND ug/L 1 0.33 1.1 ND ug/L 1 0.33 1.3 ND ug/L 1 0.33 1.3 ND ug/L 1 0.33 1.3 ND ug/L 1 0.35 1.3 ND ug/L 1 0.16 0.52 ND ug/L 1 0.16 0.52 ND ug/L 1 0.70 2.3 ND ug/L 1 0.17 0.47 ND ug/L 1 0.70 2.3 ND ug/L 1 1.3 44 ND ug/L 1 0.70 2.3 ND ug/L 1 0.77 0.55 ND ug/L 1 1.4 0.44 ND ug/L 1				0.61	2.0
ND ug/L 1 0.40 1.3 ND ug/L 1 0.38 1.3 ND ug/L 1 0.38 1.3 ND ug/L 1 0.34 1.1 ND ug/L 1 0.34 1.1 ND ug/L 1 0.35 1.2 ND ug/L 1 0.16 0.52 ND ug/L 1 0.14 0.47 ND ug/L 1 0.14 0.57 ND ug/L 1 0.76 0.57	lene		~ ,	0.66	2.2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				0.40	5.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				0.30	C. Ł
ND ug/L 1 0.11 0.35 ND ug/L 1 0.16 0.52 ND ug/L 1 0.16 0.52 ND ug/L 1 0.14 0.52 ND ug/L 1 0.14 0.47 ND ug/L 1 1.14 0.44 ND ug/L 1 0.17 0.57 ND ug/L 1 0.17 0.57 ND ug/L 1 1.7 5.5 96% 1 1 1.7 5.5				0 29	0.98
$\begin{array}{lcccccccccccccccccccccccccccccccccccc$	chloroethane			0.11	0.35
$\begin{array}{llllllllllllllllllllllllllllllllllll$		-	-	0.16	0.52
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			~	0.35	1.2
$\begin{array}{lcccccccccccccccccccccccccccccccccccc$			-	0.22	0.75
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			-	0.14	0.47
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			÷	0.70	2.3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		-	~	0.41	1,4
ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 107% 1 1 1.7 5.5 96% 1 1 1 1			-	13	44
ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 107% 1 1 1.7 5.5 94% 1 1 1 9.6 96% 1 1 1 1			7-	0.17	0.57
ND ug/L 1 1.7 5.5 107% 1 1 94% 1 96% 1			-	2.7	0.0
107% 1 96% 1				1.7	
96% 1 1	ane (SURR)	07%			so a
96% 1		94%			s s
		96%	-		S
	C - This sector is a surreaste most to available the available to a mothod				

S = This compound is a surrogate used to evaluate the quality control of a method.

Project Description: Marathon County Area A Private Wells Project Title: April 2021 Template: APP3 Sample: 1248816 PW18 Collected: 04/14/21 Analyzed 04/19/21 - Analytes ANALYTE NAME Benzene Bromodichloromethane Bromoform Bromonethane Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene		Printed: 04/22/2021 08:13			
Sample: 1248816 PW18, Collected: 04/14/21, Analyzed: 04/19/2 ANALYTE NAME Benzene Bromodichloromethane Bromonethane Carbon Tetrachloride Chlorobenzene Chlorobenzene Chloroethane Chloroethane Chloroethane Chloroethane Chloroethane	4 2				
ANALYTE NAME Benzene Bromodichloromethane Bromonform Bromonethane Carbon Tetrachloride Carbon Tetrachloride Chlorobenzene Chlorobenzene Chlorotethane Chlorotethane Chlorotethane	RESULT		A SAMPLE MINISTERIAL STRUCTURES AND SAMPLES	a state and the state of the state	
Benzene Bromodichloromethane Bromonethane Bromomethane Carbon Tetrachloride Chlorobenzene Chlorobetraene Chloroftane Chloroftane Chloroftane		NITS DIL	TOD	LOQ	Note
Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene Chloroftane Chloroftane Chloroftane	UN	ug/L 1	0.25	0.84	
Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene Chloroform Chloroform Chloromethane	Q	ug/L 1	0.20	0.67	
Bromometnane Carbon Tetrachloride Chlorobenzene Chloroforthane Chloroforthane Chloromethane	QN	ug/L	0.27	0.91	
Calibori relactione Chlorobenzene Chloroform Chloroform Chloromethane		ng/L	0.47	2.9 0 66	
Chlorobenizerie Chlorofethane Chlorofethane Chloromethane		ug/L 10/L	0.17	0.00	
Chloroform Chloromethane			to.5	1.1	
Chloromethane		ua/L 1	0.24	0.81	
	ND	ug/L 1	0.81	2.7	
Dibromochloromethane	DN	ug/L 1	0.20	0.67	
1,2-Dibromo-3-Chloropropane	ND	ug/L 1	0.36	1.2	
1,2-Dibromoethane	DN	ug/L 1	0.21	0.71	
Dibromomethane	QN	ng/L 1	0.17	0.55	
1,2-Dichlorobenzene	QN	ug/L 1	0.28	0.92	
1,3-Dichlorobenzene		ug/L 1	0.28	0.93	
1,4-Dichlorobenzene	QN	ug/L 1	0.30	0.99	
Dichlorodifiuoromethane	nn N	ng/L 1	90.0	2.0	
1,1-Dichloroethane		ng/L 1	0.20	0.66	
1, Z-DICRIOTOETRARE			0.43	1.4	
		ng/L	0.19	0.03	
cis-1, 2-Dichlocothene		ng/L	0.20	0.00	
Utails-1,2-Utailotoetherte		10/L 1	0.13	0.04	
1, z-Dicitiol upi uparte			0.0	0.34	
45-1, J-DIVIIUUUUUUUUUUU	QN		0.10	0.00	
traits 1, 3-District Opened Fthvihanzana		10/L 1	0.33	11	
Methylene chloride	QN	ua/L 1	0.61	2.0	
Nanhthalene	ÛN	1 1/01	0.66	2.2	
Styrene	QN	ua/L 1	0.40	1.3	
ortho-Xylene	QN	ug/L 1	0.38	1.3	
Tetrachloroethene	DN	ug/L 1	0.34	1.1	
Toluene	QN	ug/L 1	0.29	0.98	
1,1,1-Trichloroethane	QN	ug/L 1	0.11	0.35	
1,1,2-Trichloroethane	Q	ug/L 1	0.16	0.52	
Trichloroethene	QN	ug/L 1	0.35	1.2	
Trichlorofluoromethane	QN	ug/L 1	0.22	0.75	
Vinyl chloride	QN	ug/L 1	0.14	0.47	
meta,para-Xylene		ng/L	0./0	2.3	
MiBE		ng/L	14.0	47	
Acetone		ug/L	0.47	44	
			21.0 2 4 C	/6.0	
Wetnyl Etnyl Ketone			2.1	8.0 2	
l etranyaroruran		ng/L	1.1	0.0	U
	100%				
	0.00			-	b u
1-Dromo-4-Fiuoropenzene (SURK)	9/ DE				>

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S = This compound is a surrogate used to evaluate the quality control of a method.

VOC's by P&T/GCMS - Water unty Solid Waste Mgmnt Dept rathon County Area A Private Wells	NLS Project: 36445	64445			B	Page 4 of 9
Project Title: April 2021 Template: APP3 1 Sample 1248817 PW19 Collected: 04/14/21 Analyzed: 04/19/21 - Analytes: 43	Printed: 0	Printed: 04/22/2021 08:13 3	13:13 			
ANALYTE NAME	RESULT	UNITS	DIL	ГОР	LOQ	Note
	QN	ng/L	~	0.25	0.84	
oromethane	QN	ng/L	-	0.20	0.67	
	QN	ug/L	~	0.27	0.91	
		ug/L		0.87	2.9	
loride		ng/L	- •	/1/0	cc.0	
Ð		ug/L		0.04 7 F		
Chloroform		ug/F	-	0.24	0.0	
lane	DN	ug/L		0.81	2.7	
nethane	QN	ng/L		0.20	0.67	
opane	DN	ng/L	~ -	0.36	1.2	
	ND	ug/L	1	0.21	0.71	
	DN	ug/L	~	0.17	0.55	
	DN	ug/L	-	0.28	0.92	
	QN	ug/L	~	0.28	0.93	
	QN	ug/L	~	0.30	0.99	
hane	QN	ug/L	~	0.59	2.0	
	Q !	ng/L		0.20	0.66	
		ug/L		0.43	1.4	
		ng/L		0.19	0.03	
		ng/L		0.20	0.00	
uaris-1,2-Dictiloroeulerie 1 2. Dictilorononana		ng/L	- +	0.18 0.16	0.04	
		1/2/1	- -	0.10	0.53	
-	CN CN	ug/L		0.24	0.81	
	QN	ua/L		0.33	1.1	
oride	QN	ng/L	t-	0.61	2.0	
	DN	ng/L	+	0.66	2.2	
	ND	ng/L	1	0.40	1.3	
lene	DN	ug/L	~	0.38	1.3	
broethene	QN	ng/L	~	0.34	1.1	
	QN	ng/L		0.29	0.98	
1,1,1-Trichloroethane		ng/L	, - ,	0.11	0.35	
		ng/L		0.16	0.52	
		ng/L	- ,	0.33	2.1	
ometriarie		ug/L	-	0.14	67.0	
		1/0/1	-	<u>t c</u>	0.41	
	CIN	ug/L		0.41	14	
	[14]	- 110/1		13	44	
Disulfide	ON	na/L		0.17	0.57	
Die	QN	ng/L	-	2.7	9.0	
	QN	ng/L	⊷	1.7	5.5	
	112%		~			S
	98%		-			S
	96%		۴-			S
NOTES APPLICABLE TO THIS ANALYSIS:			_			
J = Result enclosed in prackets is between LUU and LUU, a region or less certain quantitation. S = This commoning is a surrorate used to evaluate the guality control of a method	juanutation.					
ם בדום הסווולהמוות ומ ממוו האמנה מפרת וה הגמוגמוה הוה לגמווה ההווה היו היוויהייי						

Add.TTTCherrer Marchino Courty Social Water Add.TTTCherrer Marchino Courty Social Water Construct Water Norces by Parindecial Guards Popiel Titles. April 2021 Exploit Titles. April 2021 Explosit Titles. Explosit Title						
Printed: 04/22/2021 08:13 Printed: 04/22/2021 08:13 SULT UNITS DIL LOD UQA U Ug/L 1 0.25 0.84 U Ug/L 1 0.25 0.84 U Ug/L 1 0.27 0.91 U Ug/L 1 0.27 0.91 U Ug/L 1 0.27 0.91 U Ug/L 1 0.23 0.91 U Ug/L 1 0.23 0.93 U Ug/L 1 0.23 0.93 U Ug/L 1 0.26 0.93 U Ug/L 1 0.26 0.93 U Ug/L 1 0.23 0.93 U Ug/L 1 0.26 0.93 U Ug/L 1 0.23 0.93 U Ug/L 1 0.23 0.93 U	ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water Customer: Marathon County Solid Waste Mgmnt Dept Proiod Description: Marathon County Area A Drivate Wells	NLS Project:	364445			Page 5 of 9
Sult Dist Dist <thdist< th=""> Dist Dist <th< th=""><th>Project Title: April 2021 Tender of Tender April 2021</th><th>3</th><th>04/22/2021</th><th>08:13</th><th></th><th></th></th<></thdist<>	Project Title: April 2021 Tender of Tender April 2021	3	04/22/2021	08:13		
TERME RESULT UNTS PIL LOD LOD <thld< th=""> LOD LOD <thld< <="" th=""><th>Sample: 1248818 PW24 Collected: 04/14/21 Analyzed: 04/19/21 - Analyte</th><th>es: 43</th><th></th><th></th><th></th><th></th></thld<></thld<>	Sample: 1248818 PW24 Collected: 04/14/21 Analyzed: 04/19/21 - Analyte	es: 43				
deficience ND ugl 1 0.25 0.84 deficience ND ugl 1 0.27 0.91 deficience ND ugl 1 0.27 0.91 deficience ND ugl 1 0.27 0.91 deficience ND ugl 1 0.37 0.95 deficience ND ugl	ANALYTE NAME	RESULT	UNITS	סוך	LOD	
Alternetistie No Upl. 1 0.20 0.67 Anternetistie No Upl. 1 0.21 0.67 Anternetistie No Upl. 1 0.23 0.67 Anternetistie No Upl. 1 0.23 0.66 Anternetistie No Upl. 1 0.23 0.67 Anternetistie No Upl. 1 0.23 0.67 Anternetistie No Upl. 1 0.23 0.67 Anternet	Benzene	DN	ng/L	-	0.25	0.84
Reference ND upl. 1 0.27 0.91 1 0.87 0.91 <th0.91< th=""> <th0.91< td=""><td>Bromodichloromethane</td><td>DN</td><td>ng/L</td><td>₹-</td><td>0.20</td><td>0.67</td></th0.91<></th0.91<>	Bromodichloromethane	DN	ng/L	₹-	0.20	0.67
Interfaction ND up/l 1 0.87 2.9 Destration ND up/l 1 0.87 0.81 Destration ND up/l 1 0.81 0.81 0.81 Destration ND up/l 1 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 <	Bromoform	QN	ug/L	-	0.27	0.91
Intereduction ND VDI Total Total <thtotal< th=""> Total <thtotal< th=""> <t< td=""><td>Bromomethane</td><td>ġ</td><td>ug/L</td><td>÷.</td><td>0.87</td><td>2.9</td></t<></thtotal<></thtotal<>	Bromomethane	ġ	ug/L	÷.	0.87	2.9
Destrate ND UQI 1 0.34 1 Destrate ND UQI 1 0.34 0.31 form ND UQI 1 0.34 0.31 form ND UQI 1 0.34 0.31 contrologare ND UQI 1 0.34 0.31 contrologare ND UQI 1 0.34 0.31 contrologare ND UQI 1 0.35 0.32 intrologare ND UQI 1 0.36 0.31 intrologare ND UQI 1 0.36 0.32 intrologare ND UQI 1 0.36 0.32 intrologare ND UQI 1 0.36 0.33 1.1 intrologare ND UQI 1 0.36 0.32 0.32 0.32 intrologare ND UQI 1 0.33 1.1 1.33	Carbon Tetrachloride	Q	ng/L	~ '	0.17	0.55
Tetrate ND VPL 1 0 0 metane metane ND VPL 1 0.3 0.3 metane ND VPL 1 0.3 0.3 0.3 strend-scheropoare ND VPL 1 0.3	Chlorobenzene	Q	ng/L	, ,	0.34	1.1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Chloroethane	ON 1	ug/L	~ ,	1.5	5.0
monthane ND up/l 1 0.21 2.7 controlation monthane ND up/l 1 0.36 1.2 controlation monthane ND up/l 1 0.36 1.2 controlation monthane ND up/l 1 0.36 0.31 controlation ND up/l 1 0.36 0.31 0.31 controlation ND up/l 1 0.36 0.31 0.31 controlation ND up/l 1 0.36 0.31 0.31 controlation ND up/l 1 0.30 0.33 0.31 controlation ND up/l 1 0.30 0.35 0.31 controlation ND up/l 1 0.34 0.31 0.31 controlation ND up/l 1 0.31 0.31 0.31 0.31 0.31 controlation ND up/l	Chlorotorm		ug/L		0.24	0.81
Conflocentaria ND Upl. 1 0.20 Upl. 1 0.20 Upl. 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.72 0.71 0.71 0.72 0.71 <	Chloromethane	ON CIN	ng/L	, ,	0.81	2.7
ND ug/L 1 03 1.2 connectance ND ug/L 1 03 0.7 interstance ND ug/L 1 03 0.7 interstance ND ug/L 1 03 0.3 interstance ND ug/L 1 0.28 0.33 interstance ND ug/L 1 0.20 0.33 interstance ND ug/L 1 0.16 0.54 interstance ND ug/L	Dibromochloromethane	ON C	ng/L	,	0.20	0.6/
Conditionation ND UgL 1 U_1 U_1 <thu_1< th=""> U_1 <thu_1< th=""> <thu_< td=""><td>1,2-Dibromo-3-Chloropropane</td><td>ON N</td><td>ng/L</td><td></td><td>0.36</td><td>1.2</td></thu_<></thu_1<></thu_1<>	1,2-Dibromo-3-Chloropropane	ON N	ng/L		0.36	1.2
Montentane No ugl. 1 0.11 0.02 0.02 Intorbenzate No ugl. 1 0.23 0.33 0.33 Intorbenzate No ugl. 1 0.26 0.33 0.33 Intorprotente No ugl. 1 0.33 0.43 0.43 Distributed term No ugl. 1 0.16 0.53 0.64 Distributed term No ugl. 1 0.16 0.53 0.64 Distributed term No ugl. 1 0.16 0.53 0.66 Distributed term No ugl.			ng/L		0.47	0.71
Anotherace No ugl 1 0.20 0.20 filooberazene No ugl 1 0.20 0.99 filorostratene No ugl 1 0.20 0.99 filorostratene No ugl 1 0.20 0.99 filorostratene No ugl 1 0.20 0.99 Sublicostratene No ugl 1 0.9 0.66 2.Oldshorestene No ugl 1 0.19 0.66 2.Oldshorestene No ugl 1 0.16 0.51 2.Oldshorestene No ugl 1 0.16 0.51 2.Oldshorestene No ugl 1 0.61 0.51 2.Oldshorest			1/51		0.10	0.0
Interfaction ND VgL 1 0.50 0.59 indificientient ND VgL 1 0.59 2.0 indificientientientientientientientientientient			ug/L		0.70	0.02
$\label{eq:constraints} \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	1, 3-Ulchiorobenizene		ng/L	-	0.20	0.93
Incontractante ND UgL 1 0.20 0.50 Altorothate ND UgL 1 0.20 0.65 Dichlocrethane ND UgL 1 0.13 0.14 Dichlocrethane ND UgL 1 0.19 0.65 Dichlocrethane ND UgL 1 0.16 0.53 Dicothane ND UgL 1 0.16 0.53 Dicothane ND UgL 1 0.34 1 Elene ND UgL 1 0.53 1 1 No outh			ug/L		0.50	0.39
$ \begin{array}{ccccccc} \label{eq:constraints} & \begin{tabular}{c} & tabul$			ug/L		0000	0.2
Introduction ND UPL 1 0.33 0.33 Dichloroptene ND UPL 1 0.19 0.66 Dichloroptene ND UPL 1 0.19 0.65 Dichloroptene ND UPL 1 0.16 0.53 Dichloroptene ND UPL 1 0.16 0.53 Dichloroptene ND UPL 1 0.16 0.53 Dichloroptopene ND UPL 1 0.21 0.51 Encorperione ND UPL 1 0.21 0.51 Encorperione ND UPL 1 0.21 0.51 Encorperione ND UPL 1 0.21 0.51 Encorperine			ng/L		0.20	0.00
Distribution ND Ug/L 1 0.0 <th0.0< th=""> 0.0 <th0.0< th=""> <th0.0< td=""><td>1, z-DibrioUceniarie 1.1. Dichlaroethene</td><td></td><td>1/211</td><td></td><td>0.45</td><td>1.4 0.63</td></th0.0<></th0.0<></th0.0<>	1, z-DibrioUceniarie 1.1. Dichlaroethene		1/211		0.45	1.4 0.63
Constructure ND Ugit 1 0.15 0.64 Inforcettene ND Ugit 1 0.16 0.54 Inforcettene ND Ugit 1 0.16 0.54 Inforcettene ND Ugit 1 0.16 0.53 3-Dichloropene ND Ugit 1 0.33 1.1 attacted ND Ugit 1 0.33 1.1 attacted ND Ugit 1 0.33 1.3 attacted ND Ugit 1 0.36 2.2 attacted ND Ugit 1 0.36 1.3 Attactettene ND Ugit	1, 1-Didition octivence ris 1.2. Dichloroathana		10,1	- -	000	0.66
Incognogate ND ug/L 1 0.16 0.54 Dichoropropere ND ug/L 1 0.16 0.53 Dichoropropere ND ug/L 1 0.16 0.53 Dichoropropere ND ug/L 1 0.23 1.1 entere ND ug/L 1 0.33 1.1 entere ND ug/L 1 0.66 2.2 othorethere ND ug/L 1 0.66 2.2 othorethere ND ug/L 1 0.66 2.2 othorethere ND ug/L 1 0.35 1.1 othorethere ND ug/L 1 0.16 0.55 othorothorothere ND ug/L<	trans-1,2-Dichlornosthane		ug/L	- -	0.19	0.00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 2-Dichloronronane	CN	- 10/1		0.16	0.54
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	cis-13-Dichlorononene	<u>UN</u>			0.16	0.53
Instant ND ug/L 1 0.33 1/1 ene chloride ND ug/L 1 0.61 2.0 ene chloride ND ug/L 1 0.66 2.2 ene chloride ND ug/L 1 0.66 2.2 ene chloride ND ug/L 1 0.38 1.3 Syltene ND ug/L 1 0.36 1.3 Ichloroethane ND ug/L 1 0.34 1.1 Ichloroethane ND ug/L 1 0.35 0.35 ichorote ND <td>trans-13-Dichloronronene</td> <td>CIN</td> <td>1/01</td> <td></td> <td>0.24</td> <td>0.81</td>	trans-13-Dichloronronene	CIN	1/01		0.24	0.81
ene choride ND ug/L 1 0.61 2.0 aleree ND ug/L 1 0.66 2.2 aleree ND ug/L 1 0.66 2.2 Aloroetheree ND ug/L 1 0.38 1.1 e Noncetheree ND ug/L 1 0.36 0.38 fichloroetharee ND ug/L 1 0.35 1.1 0.35 richloroetharee ND ug/L 1 0.16 0.52 0.38 richloroetharee ND ug/L 1 0.16 0.52 0.55 richloroetharee ND ug/L 1 0.16 0.52 0.75 richloroetharee ND ug/L 1 0.16 0.52 0.75 richloroetharee ND ug/L 1 0.16 0.47 0.47 ara-Xylene ND ug/L 1 0.76 0.75 0.75 feth/	Fthulbanzana	- CN	1/1		0.33	11
alter ND ug/L 1 0.66 2.2 alter ND ug/L 1 0.66 2.2 hordethere ND ug/L 1 0.66 2.2 hordethere ND ug/L 1 0.38 1.3 hordethere ND ug/L 1 0.35 1.3 ichloreethare ND ug/L 1 0.35 0.38 richloreethare ND ug/L 1 0.11 0.35 richloreethare ND ug/L 1 0.16 0.52 rothoreethare ND ug/L 1 0.16 0.55 rothoreethare ND ug/L 1 0.17 0.57 ara-Xylene N	Methylene chloride	CIN	ua/l	-	0.61	20
e ND ug/L 1 0.46 1.3 Kylene ND ug/L 1 0.38 1.3 Kylene ND ug/L 1 0.38 1.3 e ND ug/L 1 0.38 1.3 e ND ug/L 1 0.36 1.3 richloroethane ND ug/L 1 0.35 0.36 richloroethane ND ug/L 1 0.14 0.35 richloroethane ND ug/L 1 0.16 0.35 richloroethane ND ug/L 1 0.14 0.47 richloroethane ND ug/L 1 0.14 0.47 richloroethane ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.14 0.47 e 0.11 0.11	Nanhthalene	Q	ua/L		0.66	22
Vjene ND ug/L 1 0.38 1.3 nloroethene ND ug/L 1 0.34 1.1 e ND ug/L 1 0.35 1.1 ichloroethane ND ug/L 1 0.16 0.35 irchloroethane ND ug/L 1 0.16 0.52 irchloroethane ND ug/L 1 0.16 0.52 rothorethane ND ug/L 1 0.14 0.47 horide ND ug/L 1 0.14 0.47 nortide ND ug/L 1 0.14 0.47 intromethane ND ug/L 1 0.70 2.3 editoromethane ND ug/L 1 0.47 0.47 intromethane ND ug/L 1 0.47 0.47 editoromethane ND ug/L 1 0.47 0.47 oflower ND ug/L 1 0.75 0.75 oflower ND ug/L 1 0.77 0.75 oflower ND ug/L 1 0.77 0.0 oflower ND ug/L <td< td=""><td>Styrene</td><td>Q</td><td>na/L</td><td></td><td>0.40</td><td>1.3</td></td<>	Styrene	Q	na/L		0.40	1.3
Inforcethene ND ug/L 1 0.34 1.1 e e ND ug/L 1 0.39 0.38 ir/choroethane ND ug/L 1 0.16 0.35 ir/choroethane ND ug/L 1 0.16 0.35 ir/choroethane ND ug/L 1 0.16 0.35 richoroethane ND ug/L 1 0.16 0.35 richoroethane ND ug/L 1 0.35 1.2 richoromethane ND ug/L 1 0.35 1.2 indride ND ug/L 1 0.35 0.47 ara-Xylene ND ug/L 1 0.47 0.47 era-Xylene ND ug/L 1 0.41 1.4 e 10suffde ND ug/L 1 0.41 1.4 e 10suffde ND ug/L 1 0.57 0.5 i	ortho-Xvlene	QN	ng/L	1	0.38	1.3
e ND ug/L 1 0.29 0.38 Tichloroethane ND ug/L 1 0.11 0.35 Tichloroethane ND ug/L 1 0.16 0.52 roftenee ND ug/L 1 0.16 0.52 roftenee ND ug/L 1 0.14 0.52 Inforde ND ug/L 1 0.14 0.35 Inforde ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.14 0.47 e 4 0.70 2.3 0.75 0.47 feb 1 0.71 1 1.4 0.41 feb 1 0.71 1 1 0.41 feb 1 0.71 1 1 1 feb 1 0.71 1 1 1 feb 1 0.71 1 1 1	Tetrachloroethene	DN	ng/L	1	0.34	1.1
Inchloroethane ND ug/L 1 0.11 0.35 richloroethane ND ug/L 1 0.16 0.52 richloroethane ND ug/L 1 0.16 0.52 richloroethane ND ug/L 1 0.35 1.2 richloroethane ND ug/L 1 0.35 0.47 noromethane ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.70 2.3 ara-Xylene ND ug/L 1 0.70 2.3 ara-Xylene ND ug/L 1 0.71 0.47 los Userthane ND ug/L 1 1.4 e-48 (SURR) ND	Toluene	QN	ng/L	۲-	0.29	0.98
Inchloroethane ND ug/L 1 0.16 0.52 roethene ND ug/L 1 0.35 1.2 roethene ND ug/L 1 0.35 1.2 roethene ND ug/L 1 0.22 0.75 hloride ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.70 2.3 ara-Xylene ND ug/L 1 0.70 2.3 era-Xylene ND ug/L 1 1.4 1.4 era-Xylene ND ug/L 1 1.4 1.4 of orturan ND ug/L 1 1.4 1.4 of orturan ND ug/L 1 1.7 5.5 0.67 of orturan ND ug/L 1 1.7 5.5 0.0 of orturan ND ug/L 1 1.7 5.5 0.0 of o	1,1,1-Trichloroethane	Q	ug/L	~	0.11	0.35
Indefine ND ug/L 1 0.35 1.2 Inflormethane ND ug/L 1 0.22 0.75 Infloride ND ug/L 1 0.22 0.75 ara-Xylene ND ug/L 1 0.47 0.47 ara-Xylene ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.17 0.57 ara-Xylene ND ug/L 1 1.4 1.4 efficience ND ug/L 1 0.17 0.57 afficience ND ug/L 1 1.7 5.5 offoromethane (SURR) 94% 1 1 1.7 5.5 odf (SURR) 94% 1 1 1.7 5.5 odf (SURR) 94% 1 1 1.7 5.5	1,1,2-Trichloroethane	Q	ng/L	~	0.16	0.52
rolloromethane ND ug/L 1 0.22 0.75 hloride ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.14 0.47 ara-Xylene ND ug/L 1 0.17 2.3 ara-Xylene ND ug/L 1 1.4 1.4 e 0.57 ug/L 1 1.4 1.4 e ND ug/L 1 1.7 5.5 1.7 5.5 offucormethane (SURR) 0.61/L 1 1.7 5.5 1.1 1.1 1.7 5.5 1.1 1.1 1.7 5.5 1.1	Trichloroethene	QN	ng/L		0.35	1.2
Inorace ND ug/L I U.4 U.4/ ara-Xylene ara-Xylene 0.01 1 0.70 2.3 ara-Xylene ND ug/L 1 0.70 2.3 e 47 ug/L 1 0.70 2.3 h Disulfide 0.9/L 1 0.71 0.57 ethyl Ketone ND ug/L 1 0.77 0.57 offorfuran ND ug/L 1 0.77 0.57 offorfuran ND ug/L 1 0.77 0.57 offorturan ND ug/L 1 1.7 5.5 offorturan 101% 1 1 1.7 5.5 od8 (SURR) 94% 1 1 1.7 5.5 od45 [Lorobenzene (SURR) 93% 1 1 1.7 5.5	Trichlorofluoromethane		ng/L		0.22	0.75
ata-xytene ND ug/L 1 0.10 2.3 e 0 ug/L 1 0.41 1.4 e 47 ug/L 1 13 44 fblyl Ketone ND ug/L 1 0.57 41 offorfuran ND ug/L 1 0.57 9.0 offorfuran ND ug/L 1 2.7 9.0 offucturan ND ug/L 1 1.7 5.5 e-d8 (SURR) 94% 1 1 1.7 5.5 offuctorbetrane (SURR) 94% 1 1 1.7 5.5	Vinyi chioride		1/60 	- -	0, 14	0.47
AD UD UD/L I U-4-1 I.4 in Disulfide 13 44 44 in Disulfide 0.7 0.57 44 Acrofteran ND ug/L 1 0.77 0.57 Acrofteran ND ug/L 1 2.7 9.0 offloornethane (SURR) ND ug/L 1 1.7 5.5 od-Fluoroberzene (SURR) 94% 1 1 7 5.5 od-Fluoroberzene (SURR) 93% 1 1 1 1	meta,para-Aylene		ng/L	- -	0.70	C.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	WI I BE		ng/L		0.4 I	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		4/ CIN	ng/L		0.17	44 0 A7
ND ug/L 1 2.7 3.5 101% ug/L 1 1.7 5.5 94% 1 1 93% 1			ug/L	-	0. 1 7 1	10.0 0.0
101%	INEUTYI EUTYI NEUDIE Tatrahudrafirran		ug/L	- -	1.7	0.0 7.2
94% 1 93% 1 93% 1	Teuariyuouaan Dihramofinoromathana /SLIRR/	101%	1,62			
93% 1		0/ 0/				o v
	1.0uccie-uo (2010) 1.Bromo-A-Elinorohenzene /SLIRR)	03%		- +-		o v
		2/22		-		
C - This semicinal is a currently used to avaluate the auglify control of a mathod	S = This community is a surrorate used to evaluate the quality control of a meth	20				

S = This compound is a surrogate used to evaluate the quality control of a method.

Project Tite: Project	ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water Customer: Marathon County Solid Waste Mgmnt Dept NL Project Description: Marathon County Area & Private Wells	NLS Project: 36445	64445				Page 6 of 9
43 13 14 0 13 0 13 0 14 0<	April 2021	1	4/22/2021	08:13			
UNTS DIL LOD LOD LOD LOD ug/L 1 0.27 0.84 0.87 0.84 ug/L 1 0.27 0.87 0.87 0.87 ug/L 1 0.27 0.87 0.87 0.95 ug/L 1 0.87 0.37 0.97 0.97 ug/L 1 0.24 0.87 0.97 0.97 ug/L 1 0.24 0.87 0.97 0.97 ug/L 1 0.26 0.87 0.97 0.97 ug/L 1 0.26 0.97 0.97 0.97 ug/L 1 0.26 0.97 0.97 0.97 ug/L 1 0.23 0.71 0.55 0.96 ug/L 1 0.73 0.74 0.74 0.74 ug/L 1 0.73 0.74 0.95 0.96 ug/L 1 0.74 0.96 0.96	Sample: 1248819 PW17 Collected: 04/14/21 Analyzed: 04/19/21 - Analytes:	43					
ugh 1 0.25 0.84 ugh 1 0.20 0.67 0.91 ugh 1 0.20 0.67 0.91 ugh 1 0.27 0.91 0.67 ugh 1 0.24 0.67 0.91 ugh 1 0.24 0.67 0.91 ugh 1 0.26 0.92 0.92 ugh 1 0.26 0.92 0.95 ugh 1 0.23 0.95 0.95 ugh 1 0.23 0.95 0.96 ugh 1 0.74		RESULT	UNITS	DIL	LOD	LOQ	Note
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Benzene	QN	ug/L	£	0.25	0.84	
ugl 1 0.27 0.91 ugl 1 0.27 0.91 ugl 1 0.27 0.91 ugl 1 0.24 0.81 0.2 ugl 1 0.24 0.81 0.2 ugl 1 0.24 0.81 0.7 ugl 1 0.20 0.67 0.81 ugl 1 0.20 0.67 0.81 ugl 1 0.20 0.67 0.81 ugl 1 0.20 0.67 0.83 ugl 1 0.20 0.93 0.92 ugl 1 0.20 0.93 0.93 ugl 1 0.33 0.44 0.33 ugl 1 0.66 0.83 0.93 ugl 1 0.33 0.44 0.33 ugl 1 0.33 0.13 0.66 u	Bromodichloromethane	QN	ng/L	~	0.20	0.67	
ught 1 0.34 1.5 ught 1 0.34 1.5 ught 1 0.34 1.5 ught 1 0.21 0.34 1.5 ught 1 0.21 0.67 0.67 ught 1 0.20 0.67 0.67 ught 1 0.20 0.67 0.67 ught 1 0.20 0.67 0.71 ught 1 0.28 0.92 0.71 ught 1 0.28 0.93 0.71 ught 1 0.28 0.93 0.71 ught 1 0.26 0.93 0.93 ught 1 0.20 0.93 0.93 ught 1 0.14 0.23 0.14 ught 1 0.16 0.54 0.91 ught 1 0.16 0.53 0.64 <tr< td=""><td>Bromomofhano</td><td></td><td>ng/L</td><td>~ ~</td><td>0.27</td><td>1.9.1</td><td></td></tr<>	Bromomofhano		ng/L	~ ~	0.27	1.9.1	
ugh 1 0.34 1.1 ugh 1 0.34 1.1 ugh 1 0.20 0.81 ugh 1 0.20 0.81 0.81 ugh 1 0.20 0.67 0.81 ugh 1 0.20 0.67 0.67 ugh 1 0.28 0.93 0.92 ugh 1 0.28 0.93 0.92 ugh 1 0.20 0.93 0.92 ugh 1 0.23 0.92 0.93 ugh 1 0.20 0.93 0.93 ugh 1 0.16 0.53 0.166		D CN	ug/L		0.17	0.55	
ugh 1 1.5 5.0 ugh 1 0.24 0.81 ugh 1 0.24 0.81 ugh 1 0.36 0.57 ugh 1 0.36 0.57 ugh 1 0.21 0.56 ugh 1 0.23 0.93 ugh 1 0.23 0.93 ugh 1 0.20 0.96 ugh 1 0.20 0.66 ugh 1 0.19 0.66 ugh 1 0.16 0.54 ugh 1 0.16 0.53 ugh 1 0.16 0.54 ugh 1 0.33 1.1 ugh 1 0.34 1.3 <td>Chlorobenzene</td> <td>QN</td> <td>ua/L</td> <td>~~~</td> <td>0.34</td> <td>1.1</td> <td></td>	Chlorobenzene	QN	ua/L	~~~	0.34	1.1	
ug/L 1 0.24 0.81 2.7 ug/L 1 0.20 0.67 ug/L 1 0.20 0.67 ug/L 1 0.20 0.71 ug/L 1 0.21 0.71 ug/L 1 0.28 0.92 ug/L 1 0.71 0.75 ug/L 1 0.71 0.55 ug/L 1 0.20 0.65 ug/L 1 0.20 0.65 ug/L 1 0.20 0.66 ug/L 1 0.71 0.20 ug/L 1 0.71 0.66 ug/L 1 0.71 0.64 ug/L 1 0.71 0.64 ug/L 1 0.71 0.71 ug/L 1 0.71 0.65 ug/L 1 0.71 0.64 ug/L 1 0.74	Chloroethane	QN	ng/L	۲-	1.5	5.0	
ug/L 1 0.81 2.7 ug/L 1 0.20 0.67 0.71 ug/L 1 0.26 0.71 0.71 ug/L 1 0.28 0.27 0.71 ug/L 1 0.28 0.92 0.95 ug/L 1 0.30 0.992 0.92 ug/L 1 0.30 0.992 0.93 ug/L 1 0.30 0.993 0.92 0.93 ug/L 1 0.30 0.993 0.93 0.93 0.93 ug/L 1 0.20 0.966 0.53 0.44 0.54 ug/L 1 0.16 0.54 0.54 0.54 ug/L 1 0.16 0.54 0.54 0.54 ug/L 1 0.16 0.55 0.966 0.54 ug/L 1 0.33 1.1 0.54 0.91	Chloroform	QN	ug/L	۲-	0.24	0.81	
ug/L 1 0.20 0.67 ug/L 1 0.36 1.2 ug/L 1 0.36 1.2 ug/L 1 0.28 0.92 ug/L 1 0.28 0.93 ug/L 1 0.28 0.93 ug/L 1 0.20 0.99 ug/L 1 0.30 0.99 ug/L 1 0.30 0.99 ug/L 1 0.20 0.99 ug/L 1 0.20 0.66 ug/L 1 0.19 0.66 ug/L 1 0.19 0.66 ug/L 1 0.16 0.53 ug/L 1 0.16 0.54 ug/L 1 0.53 <td>Chloromethane</td> <td>DN</td> <td>ng/L</td> <td>٠-</td> <td>0.81</td> <td>2.7</td> <td></td>	Chloromethane	DN	ng/L	٠-	0.81	2.7	
ug/L 1 0.36 1.2 ug/L 1 0.36 0.71 ug/L 1 0.12 0.71 ug/L 1 0.12 0.55 ug/L 1 0.28 0.93 ug/L 1 0.28 0.93 ug/L 1 0.30 0.93 ug/L 1 0.30 0.93 ug/L 1 0.50 0.96 ug/L 1 0.73 1.4 ug/L 1 0.73 1.4 ug/L 1 0.76 0.63 ug/L 1 0.76 0.53 ug/L 1 0.76 0.54 ug/L 1 0.76 0.54 ug/L 1 0.76 0.53 ug/L 1 0.76 0.54 ug/L 1 0.76 0.54 ug/L 1 0.76 0.57 <	Dibromochloromethane	QN	ng/L		0.20	0.67	
ug/L 1 0.21 0.71 0.55 ug/L 1 0.17 0.55 ug/L 1 0.28 0.93 ug/L 1 0.28 0.93 ug/L 1 0.28 0.93 ug/L 1 0.20 0.93 ug/L 1 0.20 0.66 ug/L 1 0.73 0.93 ug/L 1 0.73 0.63 ug/L 1 0.73 0.63 ug/L 1 0.73 0.64 ug/L 1 0.76 0.63 ug/L 1 0.76 0.64 ug/L 1 0.76 0.34 ug/L 1 0.73 0.73 ug/L 1 0.76 0.35 ug/L 1 0.74 0.73 ug/L 1 0.74 0.73 ug/L 1 0.74	1,2-Dibromo-3-Chloropropane		ug/L		0.36	1.2	
ught 1 0.26 0.93 ught 1 0.28 0.93 ught 1 0.28 0.93 ught 1 0.28 0.93 ught 1 0.20 0.66 ught 1 0.20 0.66 ught 1 0.13 0.66 ught 1 0.13 0.66 ught 1 0.13 0.66 ught 1 0.16 0.66 ught 1 0.16 0.64 ught 1 0.16 0.64 ught 1 0.16 0.53 ught 1 0.16 0.53 ught 1 0.38 1.3 ught 1 0.36 0.36 ught 1 0.36 0.36 ught 1 0.34 1.3 ught 1 0.36 0.36	1,2-UIDIOITIOETIATIE		ng/L		0.21	0.71	
ug/L 1 0.20 0.30 0.99 ug/L 1 0.20 0.99 0.01 ug/L 1 0.20 0.09 0.01 ug/L 1 0.20 0.09 0.05 ug/L 1 0.19 0.66 0.66 ug/L 1 0.19 0.66 0.66 ug/L 1 0.19 0.66 0.64 ug/L 1 0.16 0.64 0.64 ug/L 1 0.16 0.64 0.81 ug/L 1 0.16 0.53 1.1 ug/L 1 0.33 1.1 0.35 ug/L 1 0.36 0.35 1.2 ug/L 1 0.35 1.2 0.91 ug/L 1 0.35 1.2 0.91 ug/L 1 0.36 0.36 0.36 ug/L 1 0.36	UDIUIIIUIIEUIAIIE 1 2-Dichlorohanzana		ug/L		0.17	0.00	
ug/L 1 0.30 0.99 ug/L 1 0.59 2.0 ug/L 1 0.43 1.4 ug/L 1 0.13 1.4 ug/L 1 0.13 0.66 ug/L 1 0.19 0.63 ug/L 1 0.19 0.66 ug/L 1 0.19 0.66 ug/L 1 0.16 0.53 ug/L 1 0.76 0.53 ug/L 1 0.66 2.0 ug/L 1 0.66 2.3 ug/L 1 0.38 1.3 ug/L 1 0.36 2.3	1.3-Dichlorobenzene	QN	ua/L		0.28	0.93	
ug/L 1 0.59 2.0 ug/L 1 0.20 0.66 ug/L 1 0.13 0.43 ug/L 1 0.19 0.66 ug/L 1 0.16 0.53 ug/L 1 0.16 0.53 ug/L 1 0.66 2.0 ug/L 1 0.61 2.0 ug/L 1 0.33 1.1 ug/L 1 0.35 1.3 ug/L 1 0.35 1.3 ug/L 1 0.35 1.4 ug/L 1 0.35 1.4 ug/L 1 0.35 1.4 ug/L 1 0.35 1.4 ug/L 1 0.35	1,4-Dichlorobenzene	QN	ug/L	+	0.30	0.99	
ug/L 1 0.20 0.66 ug/L 1 0.43 1.4 ug/L 1 0.19 0.63 ug/L 1 0.19 0.63 ug/L 1 0.19 0.63 ug/L 1 0.16 0.63 ug/L 1 0.16 0.64 ug/L 1 0.16 0.64 ug/L 1 0.16 0.53 ug/L 1 0.16 0.53 ug/L 1 0.66 2.2 ug/L 1 0.66 2.2 ug/L 1 0.33 1.1 ug/L 1 0.36 1.3 ug/L 1 0.16 0.52 ug/L 1 0.16	Dichlorodiffuoromethane	DD	ug/L	1	0.59	2.0	
ug/L 1 0.43 1.4 ug/L 1 0.43 1.4 ug/L 1 0.19 0.63 0.63 ug/L 1 0.19 0.63 0.63 ug/L 1 0.16 0.24 0.61 0.64 ug/L 1 0.16 0.24 0.81 0.81 ug/L 1 0.16 0.23 1.1 0.81 ug/L 1 0.16 0.23 1.1 0.81 ug/L 1 0.33 1.1 0.35 0.81 ug/L 1 0.34 1.1 0.35 1.3 ug/L 1 0.36 0.35 0.35 0.35 ug/L 1 0.21 0.35 0.35 0.47 ug/L 1 0.21 0.35 0.35 0.35 ug/L 1 0.16 0.25 0.25 ug/L	1,1-Dichloroethane	QN	ng/L	Ļ	0.20	0.66	
ug/L 1 0.19 0.63 ug/L 1 0.20 0.66 ug/L 1 0.19 0.66 ug/L 1 0.19 0.66 ug/L 1 0.19 0.66 ug/L 1 0.16 0.53 ug/L 1 0.74 0.81 ug/L 1 0.33 1.1 ug/L 1 0.66 2.2 ug/L 1 0.66 2.2 ug/L 1 0.34 1.1 ug/L 1 0.34 1.1 ug/L 1 0.35 1.2 ug/L 1 0.35 1.1 ug/L 1 0.35 1.1 ug/L 1 0.76 0.75 ug/L 1 0.76 0.75 ug/L 1 0.76 0.76 ug/L 1 0.76 0.77	1,2-Dichloroethane	Q.	ng/L	• •	0.43	1.4	
ug/L 1 0.20 0.00 ug/L 1 0.19 0.64 ug/L 1 0.19 0.64 ug/L 1 0.16 0.53 ug/L 1 0.72 0.81 ug/L 1 0.61 2.2 ug/L 1 0.66 2.2 ug/L 1 0.33 1.1 ug/L 1 0.79 0.36 ug/L 1 0.75 0.75 ug/L 1 0.70 2.3 ug/L 1 0.70 2.3 ug/L 1 0.70 2.3 ug/L 1 0.71 0.47 ug/L 1 0.71 0.75 ug/L 1 <td>1,1-Ulchloroethene</td> <td></td> <td>ug/L</td> <td>-</td> <td>0.19</td> <td>0.03</td> <td></td>	1,1-Ulchloroethene		ug/L	-	0.19	0.03	
ug/L 1 0.16 0.64 ug/L 1 0.16 0.63 ug/L 1 0.16 0.63 ug/L 1 0.24 0.81 ug/L 1 0.33 1.1 ug/L 1 0.61 2.0 ug/L 1 0.66 2.2 ug/L 1 0.38 1.3 ug/L 1 0.38 1.3 ug/L 1 0.38 1.3 ug/L 1 0.36 0.36 ug/L 1 0.16 0.52 ug/L 1 0.16 0.57 ug/L 1 0.70 2.3 ug/L 1 0.77 0.77	cis-1, Z-Uichiloroethene		ng/L		0.20	0.00	
ug/L 1 0.16 0.53 ug/L 1 0.24 0.81 ug/L 1 0.24 0.81 ug/L 1 0.24 0.81 ug/L 1 0.61 2.0 ug/L 1 0.66 2.2 ug/L 1 0.40 1.3 ug/L 1 0.38 1.3 ug/L 1 0.38 1.3 ug/L 1 0.36 0.35 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.14 0.47 ug/L 1 0.75 0.75 ug/L 1 0.76 2.3 ug/L 1 0.74 0.44 ug/L 1 0.75 0.75 ug/L 1 0.76 0.75 ug/L 1 0.70	1 2-Dichloropropane	CN CN	ug/L LIG/İ		0.15	0.54	
ug/L 1 0.24 0.81 ug/L 1 0.33 1.1 ug/L 1 0.61 2.0 ug/L 1 0.66 2.2 ug/L 1 0.66 2.2 ug/L 1 0.40 1.3 ug/L 1 0.38 1.1 ug/L 1 0.39 1.3 ug/L 1 0.38 1.1 ug/L 1 0.16 0.35 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.70 2.3 ug/L 1 0.77 0.77 ug/L 1 0.77 0.77 ug/L 1	cis-1.3-Dichloropropene	QN	na/L	-	0.16	0.53	
ug/L 1 0.33 1.1 ug/L 1 0.61 2.0 ug/L 1 0.66 2.2 ug/L 1 0.66 2.2 ug/L 1 0.40 1.3 ug/L 1 0.38 1.3 ug/L 1 0.38 1.1 ug/L 1 0.39 1.1 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.75 0.75 ug/L 1 0.70 2.3 ug/L 1 0.70 2.3 ug/L 1 0.77 0.75 ug/L 1 0.70 2.3 ug/L 1 0.77 0.75 ug/L 1 0.70 2.3 ug/L 1 0.71 0.75	trans-1,3-Dichloropropene	QN	ng/L	~	0.24	0.81	
ug/L 1 0.61 2.0 ug/L 1 0.66 2.2 ug/L 1 0.40 1.3 ug/L 1 0.38 1.3 ug/L 1 0.38 1.3 ug/L 1 0.38 1.1 ug/L 1 0.36 1.1 ug/L 1 0.19 0.35 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.17 0.57 ug/L 1 0.75 1.2 ug/L 1 0.70 2.3 ug/L 1 0.70 2.3 ug/L 1 1.4 0.47 ug/L 1 0.77 0.57 ug/L 1 0.77 0.75 ug/L 1 1.3 4.4 ug/L 1 1.4 1.4 ug/L 1 1.7 <td< td=""><td>Ethylbenzene</td><td>ND</td><td>ng/L</td><td>-</td><td>0.33</td><td>1.1</td><td></td></td<>	Ethylbenzene	ND	ng/L	-	0.33	1.1	
ug/L 1 0.66 2.2 ug/L 1 0.40 1.3 ug/L 1 0.38 1.3 ug/L 1 0.34 1.1 ug/L 1 0.34 1.1 ug/L 1 0.36 1.3 ug/L 1 0.16 0.35 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.75 0.75 ug/L 1 0.70 2.3 ug/L 1 0.70 2.3 ug/L 1 0.70 2.3 ug/L 1 0.77 0.77 ug/L 1 0.70 2.3 ug/L 1 0.77 0.77 ug/L 1 0.77 0.77 ug/L 1 0.77 0.77	Methylene chloride	DN	ng/L	۰-	0.61	2.0	
ug/L 1 0.40 1.3 ug/L 1 0.38 1.1 ug/L 1 0.38 1.3 ug/L 1 0.38 1.3 ug/L 1 0.38 1.3 ug/L 1 0.19 0.36 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.17 0.47 ug/L 1 0.75 0.47 ug/L 1 0.75 0.47 ug/L 1 1.3 44 ug/L 1 1.4 ug/L 1 1.7 5.5 ug/L 1 1.7 5.5 ug/L 1 1.7 5.5	Naphthalene	DN	ug/L	~	0.66	2.2	
ug/L 1 0.38 1.3 ug/L 1 0.34 1.1 ug/L 1 0.29 0.98 ug/L 1 0.11 0.35 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.17 0.47 ug/L 1 0.75 0.47 ug/L 1 0.70 2.3 ug/L 1 1.4 0.47 ug/L 1 0.70 2.3 ug/L 1 0.70 2.3 ug/L 1 0.70 2.3 ug/L 1 0.77 0.57 ug/L 1 0.77 0.57 ug/L 1 0.77 0.55 ug/L 1 0.77 0.55 ug/L 1 0.77 0.55 ug/L 1 0.77 0.55 ug/L 1	Styrene	Q	ng/L	,	0.40	<u>6.</u>	
ug/L 7 0.34 1.1 ug/L 1 0.29 0.98 ug/L 1 0.11 0.35 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.16 0.52 ug/L 1 0.12 0.47 ug/L 1 0.22 0.75 ug/L 1 0.22 0.75 ug/L 1 0.70 2.3 ug/L 1 1.4 0.47 ug/L 1 1.7 0.57 ug/L 1 0.77 0.57 ug/L 1 0.17 0.57 ug/L 1 1.7 5.5 ug/L 1 1.7 5.5	ortho-Xylene		ng/L		0.38	5.1	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tetrachloroethene		ng/L	÷- ,	0.34	1.1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10luctic 111.Trichlornethane	CN CN	ug/L		0.11	0.35	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.1.2-Trichloroethane	Q	ng/L	-	0.16	0.52	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Trichloroethene	DN	ug/L	1	0.35	1.2	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Trichlorofluoromethane	QN	ng/L	~	0.22	0.75	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Vinyl chloride	DN	ug/L	~	0.14	0.47	
ug/L 1 0.41 1.4 ug/L 1 13 44 ug/L 1 0.17 0.57 ug/L 1 2.7 9.0 ug/L 1 1.7 5.5 ug/L 1 1.7 5.5 ug/L 1 1.7 5.5	meta,para-Xylene	QN	ng/L	~	0.70	2.3	
ug/L 1 13 44 ug/L 1 0.17 0.57 ug/L 1 2.7 9.0 ug/L 1 1.7 5.5 ug/L 1 1.7 5.5 ug/L 1 1.7 5.5 ug/L 1 1.7 5.5	MTBE		ug/L	.	0.41	4.1	
ug/L 1 0.17 0.37 ug/L 1 2.7 0.0 ug/L 1 1.7 5.5 1 1 1 1 1	Acetone	[22]	ng/L	-	13	44	
ug/L 1 1.7 5.5 ug/L 1 1.7 5.5 1 1 1 1			ng/L		0, 17	10.0	
	Wetnyl Etnyl Ketone		19/L		7.7	9.U	
	Tetranyororuran Dihramafluarang (STIDD)		ng/L		1.1	0.0	ď
		96%					ν ν
	1-Bromo-4-Fluorobenzene (SURR)	80%		-			S
	NOTES APPLICABLE TO THIS ANALYSIS:				r.		

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quar S = This compound is a surrogate used to evaluate the quality control of a method.

Customer Customer						Page 7 of	f 9
Printed: Odd Odd <thodd< th=""> Odd <thodd< th=""> <thodd< <="" td=""><td>Customer: Marathon County Solid Waste Mgmnt Dept NL3 Project Description: Marathon County Area A Private Wells</td><td>S Project: 36</td><td>4445</td><td></td><td></td><td></td><td></td></thodd<></thodd<></thodd<>	Customer: Marathon County Solid Waste Mgmnt Dept NL3 Project Description: Marathon County Area A Private Wells	S Project: 36	4445				
Sult Unrs Dil Lon Lon Lon 0 ugul 1 0.25 0.84 0 ugul 1 0.25 0.61 0 ugul 1 0.25 0.61 0 ugul 1 0.27 0.91 0 ugul 1 0.27 0.61 0 ugul 1 0.24 0.17 0 ugul 1 0.24 0.17 0.52 0 ugul 1 0.24 0.17 0.52 0 ugul 1 0.26 0.81 0.17 0 ugul 1 0.26 0.81 0.17 0 ugul 1 0.26 0.81 0.12 0 ugul 1 0.23 0.66 0.81 0 ugul 1 0.23 0.61 0.81 0 ugul 1		Printed: 04	122/2021 ()8:13			
RESULT UNIS DIL LO DIL DIL DID DIO ND ugit 1 0.0 ugit 1 0.0 UG UD	Sample: 1248820 PW64 Collected: 04/14/21 Analyzed: 04/19/21 - Analytes:	43					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		RESULT	UNITS	DIL	ГОД		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		QN	ng/L	₹	0.25	0.84	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			ng/L		0.20	0.67	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			ng/L		0.27	0.81	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		QN	ua/L		0.17	0.55	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		QN	ng/L	- -	0.34	1.1	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		DN	ug/L	-	1.5	5,0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		QN	ug/L	~~	0.24	0.81	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			ug/L		0.81	2.1	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			ng/L	+-	0.20	1.07	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	- - - -	QN	ua/L		0.21	0.71	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		QN	ug/L		0.17	0.55	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		ND	ng/L	÷	0.28	0.92	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		QN	ug/L	-	0.28	0.93	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		Q	ug/L	, ,	0.30	0.99	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			ug/L	~ ~	0.59	2.0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			ng/L		0.20	0.00	
ND ug/L 1 0.20 0.66 ND ug/L 1 0.19 0.64 ND ug/L 1 0.16 0.54 ND ug/L 1 0.16 0.54 ND ug/L 1 0.16 0.54 ND ug/L 1 0.33 1.1 ND ug/L 1 0.33 1.1 ND ug/L 1 0.66 0.53 ND ug/L 1 0.66 2.2 ND ug/L 1 0.66 2.2 ND ug/L 1 0.66 1.3 ND ug/L 1 0.36 1.1 ND ug/L 1 0.36 1.2 ND ug/L 1 0.36 1.2 ND ug/L 1 0.36 1.2 ND ug/L 1 0.16 0.47 ND ug/L 1 <td></td> <td>DN CN</td> <td>ng/L</td> <td></td> <td>0.19</td> <td>1.4 0.63</td> <td></td>		DN CN	ng/L		0.19	1.4 0.63	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$		QN	ua/L	.	0.20	0.66	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$		QN	ug/L	٣	0.19	0.64	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$		ND	ng/L	1	0.16	0.54	
ND ug/L 1 0.24 0.81 ND ug/L 1 0.33 1.1 ND ug/L 1 0.66 2.2 ND ug/L 1 0.33 1.3 ND ug/L 1 0.33 1.3 ND ug/L 1 0.33 1.3 ND ug/L 1 0.35 0.35 ND ug/L 1 0.76 0.47 ND ug/L 1 0.76 0.75 ND ug/L 1 0.71 0.41 ND ug/L 1 0.71 0.75 ND ug/L 1 0.71 0.77		QN	ug/L	-	0.16	0.53	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Q	ug/L	.	0.24	0.81	
$\begin{array}{llllllllllllllllllllllllllllllllllll$			ug/L		0.33	t-c	
$\begin{array}{llllllllllllllllllllllllllllllllllll$			ng/L		0.01	2.0	
ND ug/L 1 0.33 1.3 ND ug/L 1 0.34 1.1 ND ug/L 1 0.34 1.1 ND ug/L 1 0.34 1.1 ND ug/L 1 0.35 1.3 ND ug/L 1 0.16 0.35 ND ug/L 1 0.16 0.52 ND ug/L 1 0.16 0.52 ND ug/L 1 0.17 0.35 ND ug/L 1 0.47 0.47 ND ug/L 1 0.70 2.3 ND ug/L 1 1.4 0.47 ND ug/L 1 1.4 0.41 ND ug/L 1 1.4 0.57 ND ug/L 1 1.4 0.57 ND ug/L 1 1.4 0.51 ND ug/L 1	lene		ug/F		0.00	2:2 13	
$\begin{array}{llllllllllllllllllllllllllllllllllll$			na/L		0.38	1.3	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	thene	QN	ng/L	-	0.34	11	
$\begin{array}{llllllllllllllllllllllllllllllllllll$		DN	ug/L	۲	0.29	0.98	
$\begin{array}{llllllllllllllllllllllllllllllllllll$		DN	ng/L	~	0.11	0.35	
$\begin{array}{llllllllllllllllllllllllllllllllllll$		Q	ng/L	~ ,	0.16	0.52	
$\begin{array}{llllllllllllllllllllllllllllllllllll$		Q	ng/L	~ ,	0.35	1.2	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	omethane		ng/L ≏″		0.44	G/10 27.0	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			ug/L ug/I		0.14	0.47	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			10/L		0.10	2.2 7 L	
ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 117% 1 1 7 5.5 111% 1 1 1 1		CIN CIN	ug/E		13	44	
ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 117% 1 1.7 5.5 114% 1 111% 1 1.7 5.5		QN	ua/L	-	0.17	0.57	
ND ug/L 1 1.7 5.5 117% 1 1 114% 1 111% 1 111% 1		QN	ua/L	-	2.7	0.0	
117% 1 114% 1 111% 1		QN	ng/L	~	1.7		
114% 1 111% 1		117%		1			
111% 1		114%		٢		S	
NOTES APPLICABLE TO THIS ANALYSIS:		111%		~		w	
						-	

ANALYTICAL RESULTS. VOC's by P&T/GCMS - Water			, ; ,		Dade 8 of 0	
Wells	NLS Project: 364445	1445				
Project Title: April 2021 Template: APP3	Printed: 04/22/2021 08:13	22/2021 (38:13			
Sample: 1248821 PW88 Collected: 04/14/21 Analyzed: 04/19/21- Analytes: 43	43					
ANALYTE NAME	LT	UNITS	Dir	гор	LOQ	
Benzene	QN	ug/L	 .	0.25	0.84	
Bromodichloromethane	Q	ug/L		0.20	0.67	
Bromotorm		ug/L		0.27	0.91	
		ug/F		0.17	2.3 0.55	
		ua/L		0.34	11	
Chlornethane	QN	na/L		1.5	5.0	
Chloroform	Q	ug/L	-	0.24	0.81	
Chloromethane	DN	ng/L	-	0.81	2.7	
Dibromochloromethane	ND	ng/L	-	0.20	0.67	
1,2-Dibromo-3-Chloropropane	DN	ng/L	←	0.36	1.2	
1,2-Dibromoethane	QN	ng/L		0.21	0.71	
Dibromomethane	QN	ng/L	-	0.17	0.55	
1,2-Dichlorobenzene	QN	ug/L	~	0.28	0.92	
1,3-Dichlorobenzene	Q	ng/L	~ ~	0.28	0.93	
1,4-Dichlorobenzene	Q	ug/L	, ,	0.30	0.99	
Dichlorodifluoromethane	ON	ug/L		0.59	2.0	
1,1-Dichloroethane		ug/L		0.20	0.66	
1,2-Dichloroethane		ng/L	-	0.43	2.55	
1, 1-Dichlorethene		ug/F		0.19	0.03	
CIS-1, Z-UJCRIOFOE(TIERE		ug/E		0.20	0.00	-
1 2 Disklorenceses		ug/L		0.19	0.04	
1,2-Ukuilupilupalie cis-1 3-Dichlaropranana		10/L		0.0	0.53	
us-1, J-Dibilioupi upreue		10/L	- ~	0.24	0.81	
trauser, servicino oproperte Ethylhenzene	CIN CIN	10/L	- -	0.33		
Luniversence Methylana chlorida	CN	na/L		0.61	2.0	
Naphthalene	QN	ua/L		0.66	2.2	
Styrene	QN	ng/L	÷	0.40	1.3	
ortho-Xylene	ND	ng/L	1	0.38	1.3	
Tetrachloroethene	QN	ug/L	+-	0.34	L.	
Toluene		ug/L	~	0.29	0.98	
1,1,1-Trichloroethane	ON C	ug/L	~ ,	0.11	0.35	
1,1,2-Trichloroethane		ug/L	~ ~	0.16	0.52	
Trichloroethene		ng/L	,	0.35	1.2 0.75	
I richlororiuoromethane		ug/L 		777	0.77	
Viriyi criioride mota aara Viriana		ug/E	-	020	2.3	
IIIteta, pala-Aytette MTRE		10/I		041	14	
M I DE Aceitone	QN	ua/L		13	44	
Carhon Disulfide		ua/L		0.17	0.57	
Methyl Ethyl Ketone	DN	ng/L	٠-	2.7	9.0	
	DN	ng/L	1	1.7		
ethane (SURR)	114%		-		S	
	110%		-		S S S	
	109%		1		S	
NOTES APPLICABLE TO THIS ANALYSIS:			<i>.</i>			

S = This compound is a surrogate used to evaluate the quality control of a method.

1.11

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water Customer: Marathon County Solid Waste Mgmnt Dept NL Project Description: Marathon County Area A Private Wells Project Title: April 2021			- 1 2		Page	Page 9 of 9
Wells e: AP			¢		1	
Project Description: Marathon County Area A Private Wells Project Title: April 2021	NLS Project: 364445	364445				
	,					
		Printed: 04/22/2021	08:13			
Sample: 1248822 PW48 Collected: 04/14/21 Analyzed: 04/19/21 - Analytes	ytes: 43					
ANALYTE NAME	RESULT	UNITS	DIL	ГОР		Note
Benzene	QN	ng/L	-	0.25	0.84	
Bromodichloromethane	QN	ug/L		0.20	0.67	
Bromoform	Q	ug/L	~	0.27	0.91	-
Bromomethane	ON CAN	<u>1/60</u>		0.87	2.9	
Carbon letrachloride		ng/L ug/L		0.17	cc.n	
Chloropenzene		ng/L		40.0 M M		
Cliloroeurarie		ng/L	- -	0.24	0.0	
Chloromethane	CN CN	ug/L NG/I	- -	0.81	2.2	
Dihromochloromethane		110/1		0.20	0.67	
1 2-Dibromo-3-Chloronrobane	QN	10/1		0.36	1.2	
1 2-Dibromoethane	20	na/L		0.21	0.71	
Dibromomethane	Q	na/L	-	0.17	0.55	
1,2-Dichlorobenzene	QN	ng/L	T er	0.28	0.92	
1,3-Dichlorobenzene	QN	ng/L	~	0.28	0.93	
1,4-Dichlorobenzene	ND	ug/L	•••	0.30	0.99	
Dichlorodifluoromethane	DN	ug/L	1	0.59	2.0	
1,1-Dichloroethane	ND	ug/iL	1	0.20	0.66	
1,2-Dichloroethane	Q	ug/L	~	0.43	1.4	
1,1-Dichloroethene	QN	ug/L	4	0.19	0.63	
cis-1,2-Dichloroethene	Q	ng/L	, ,	0.20	0.66	
trans-1,2-Dichloroethene		ug/L		0.19	0.64	
1, Z-DICNIOPOPARIE		ug/L		0.10	0.04	
cis-1, 3-LJicnioropropene		ng/L	- -	0.10	0.03	
trans-1,3-Dichloropropene		ng/L	- +	0.24	0.01	
Etnyloenzene		ng/L		0.50	.06	
Nontherbolono		-1/Dn		0.66	2.0	
INADIIIIIAIEIIE Shrrana	<u>n</u>	ug/L	~ <	0.40	13	
ortho-Xviene	GN	ng/L	.	0.38	1.3	
Tetrachloroethene	Q	ng/L		0.34	1,1	
Toluene	Q	ng/L	-	0.29	0.98	
1,1,1-Trichloroethane	QN	ng/L	t-	0.11	0.35	
1,1,2-Trichloroethane	QN	ng/L	-	0.16	0.52	
Trichloroethene	QN	ug/L	.	0.35	1.2	
Trichlorofluoromethane	ON .	ng/L		0.22	0./5	
Vinyl chloride	CIN .	ng/L	-	0.14	0.4/	
meta, para-Xylene	ON CON	ng/L		0.70	2.3	
MTBE		ng/L		0.41	1.4	
Acetone		<u>ug/L</u>	-	210	44 0 F7	
Valuoli Disuilide Mathrid Ethrid Katana	CN CN	10/1	- -	0.11	0.0	
Meulyi Luiyi Netolie Tetrahudrofirran		1/0/1		17	2 2 2 2	
Teuanyarouran Dihromofinoromethane (SLIRR)	128%	2 g/ L				S
Tolitene-d8 (SURR)	118%				S	S
1-Bromo-4-Fluorobenzene (SUJRR)	115%				S	S
NOTES APPI ICABLE TO THIS ANALYSIS			•			
S = This compound is a surrogate used to evaluate the quality control of a method	thod.					

NLS Private Well Sampling Form and Chain Of Custody (pg10f3)

SITE: Marathon Co. Solid Waste Management Dept. / Area A - Private Wells

1A										
NLS Lab #:	Point Name / Ho	meowner: PW25	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):			
248814		doski, Mike uncan Road, Hatley	353	5 min	UD	NO	ND			
Date Sampled:	Time Sampled:	Time Sampled: Sample Location: Treated (Y/N)								
4-14-21	0842 OUTSIDE FAULET N. SIDE of HOUSE N									
Comments:										
NEW. OWNER .										
Softener - no Coll	Softener - no Collect from - outside faucet, north side of house									
		n in an the Constant and the Constant in the Constant in the Constant in the Constant in the Constant in the Co	1012-1019-1019-1019-1019-1019-1019-1019-							
•										
NLS Lab #:	Point Name / Hom	1cowner: PW68	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):			
815		chko, Anthony	361	5 mind	ND	ND	ND			
Date Sampled:	R221630 Du	ncan Road, Hatley Sample Location:	1	JMIN			Treated (Y/N)			
	0820	S'ÂÉ Î	BELOW				N			
Comments:	0	, DEREK.	(NO	N. OLINER	< \		2			
	FIONRIC	9 DEREK.			3)					
	. BASSME	ENT By 1	PRESSURE	TANK						
Softener – yes but not in use Collect from – kitchen sink or North outside faucet										
Softener – yes but n	ot in use Collect fro	m - kitchen sink or North	n outside faucei							
Softener – yes but n	ot in use Collect fro	m kitchen sink or North	n outside faucet							
Softener – yes but n NLS Lab #:					Color:	Odor:	Turbidity (quant, text, color):			
NLS Lab #:	Point Name / Hom	cowner: PW18	DNR ID #:	Time Purged:			Turbidity (quant, text, color): W/S			
NLS Lab #: 816	Point Name / Hom Falkow: R221765 Dund	cowner: PW18 ski, Janet can Road, Hatley	DNR ID #:			Odor: ノン	WIS			
NLS Lab #: SIG Date Sampled:	Point Name / Hom Falkows R221765 Dune Time Sampled:	cowner: PW18 ski, Janet an Road, Hatley Sample Location:	DNR ID #: 350	Time Purged: 5 mm	ND	כוע	WIS Treated (Y/N)			
NLS Lab #: S 6 Date Sampled: 4 . 14 . 21	Point Name / Hom Falkows R221765 Dune Time Sampled:	cowner: PW18 ski, Janet can Road, Hatley	DNR ID #: 350	Time Purged: 5 mm	ND	כוע	WIS			
NLS Lab #: SIG Date Sampled:	Point Name / Hom Falkow: R221765 Dun Time Sampled: CS 3 ()	cowner: PW18 ski, Janet an Road, Hatley Sample Location: BACH	DNR ID #: 350 OF (+ou	Time Purged: 5 mm	ND SIDE FAG	ND LET	WIS Treated (V/N) N			
NLS Lab #: 816 Date Sampled: 4.14.21	Point Name / Hom Falkow: R221765 Dun Time Sampled: CS 3 ()	cowner: PW18 ski, Janet an Road, Hatley Sample Location: BACH	DNR ID #: 350 OF (+ou	Time Purged: 5 mm	ND SIDE FAG	ND LET	WIS Treated (Y/N)			
NLS Lab #: SIG Date Sampled: 4 · 14 · 21 Comments:	Point Name / Hom Falkows R221765 Dund Time Sampled: CR 30	cowner: PW18 ski, Janet san Road, Hatley Sample Location: BACL FIER FROM	DNR ID #: 350 OF (+ou	Time Purged: 5 mm	ND SIDE FAG	ND LET	WIS Treated (V/N) N			
NLS Lab #: 816 Date Sampled: 4.14.21 Comments:	Point Name / Hom Falkows R221765 Dund Time Sampled: CR 30	cowner: PW18 ski, Janet an Road, Hatley Sample Location: BACH	DNR ID #: 350 OF (+ou	Time Purged: 5 mm	ND SIDE FAG	ND LET	WIS Treated (V/N) N			
NLS Lab #: SIG Date Sampled: 4.14.21 Comments:	Point Name / Hom Falkows R221765 Dund Time Sampled: CR 30	cowner: PW18 ski, Janet san Road, Hatley Sample Location: BACL FIER FROM	DNR ID #: 350 OF (+ou	Time Purged: 5 mm	ND SIDE FAG	ND LET	WIS Treated (V/N) N			
NLS Lab #: SIG Date Sampled: 4.14.21 Comments:	Point Name / Hom Falkows R221765 Dund Time Sampled: CR 30	cowner: PW18 ski, Janet san Road, Hatley Sample Location: BACL FIER FROM	DNR ID #: 350 OF (+ou	Time Purged: 5 mm	ND SIDE FAG	ND LET	WIS Treated (V/N) N			
NLS Lab #: SIG Date Sampled: 4.14.21 Comments:	Point Name / Hom Falkows R221765 Dund Time Sampled: CR 30	eowner: PW18 ski, Janet san Road, Hatley Sample Location: BACK FIER FROM sk or outside back faucet	DNR ID #: 350 OF (for FAG	Time Purged: 5 mm	ND SIDE FAG	ND LET	WIS Treated (V/N) N			
NLS Lab #: SIG Date Sampled: 4 · 14 · 21 Comments: Softener no Coll	Point Name / Hom Falkows R221765 Dung Time Sampled: CR 30 WAT cet from - kitchen sin Point Name / Home Jozwiak-F	cowner: PW18 ski, Janet san Road, Hatley Sample Location: BACE FIEC FROM It or outside back faucet	DNR ID #: 350 OF (fou FAG	Time Purged: 5 mm SE. OUT CET WE	ND SIDE FAG DER G	ND LET OT COLD	ND Treated (V/N) N STACIEN WARM			
NLS Lab #: 8/6 Date Sampled: 4.14.21 Comments: Softener no Coll NLS Lab #: 8/7	Point Name / Hom Falkow R221765 Dund Time Sampled: CR 3 O WAT ect from - kitchen sin Point Name / Home Jozwiak-P R221561 Dun	eowner: PW18 ski, Janet san Road, Hatley Sample Location: BACE FIEC FROM ik or outside back faucet	DNR ID #: 350 OF (+0) FAG FAG DNR ID #: 351	Time Purged: <u>Sman</u> <u>SE</u> .047 <u>CET</u> WE Time Purged: <u>Sman</u>	ND SIDE FAU DER G Color: ND	ND CET COLID	WD Treated (Y/N) N STAY EN WAR M			
NLS Lab #: SIG Date Sampled: 4 · 14 · 21 Comments: Softener no Coll	Point Name / Hom Falkows R221765 Dung Time Sampled: OR 3 O WAT cet from - kitchen sin Point Name / Home Jozwiak-F R221561 Dun Time Sampled:	eowner: PW18 ski, Janet san Road, Hatley Sample Location: BACL FIER FROM alt or outside back faucet	DNR ID #: 350 OF (+0) FAG FAG DNR ID #: 351	Time Purged: <u>Sman</u> <u>SE</u> .047 <u>CET</u> WE Time Purged: <u>Sman</u>	ND SIDE FAU DER G Color: ND	ND CET COLID	WD Treated (V/N) N STACLIED WARM			
NLS Lab #: $S \mid G$ Date Sampled: $4 \cdot 14 \cdot 21$ Comments: Softener no Coll NLS Lab #: $S \mid 7$ Date Sampled:	Point Name / Hom Falkow R221765 Dund Time Sampled: CR 3 O WAT ect from - kitchen sin Point Name / Home Jozwiak-P R221561 Dun	eowner: PW18 ski, Janet can Road, Hatley Sample Location: BACE FIEC FROM It or outside back faucet owner: PW19 Popp, Rose can Road, Hatley Sample Location:	DNR ID #: 350 OF (+0) FAG FAG DNR ID #: 351	Time Purged: 5 mm SE. OUT CET WE	ND SIDE FAU DER G Color: ND	ND CET COLID	WD Treated (V/N) N STA-CLEN WAR M Turbidity (quant, text, color): ND Treated (V/N)			
NLS Lab #: S G Date Sampled: 4.14.21 Comments: Softener no Coll NLS Lab #: S 7 Date Sampled: 4-14-21	Point Name / Hom Falkows R221765 Dung Time Sampled: OR 3 O WAT cet from - kitchen sin Point Name / Home Jozwiak-F R221561 Dun Time Sampled:	eowner: PW18 ski, Janet can Road, Hatley Sample Location: BACE FIEC FROM It or outside back faucet owner: PW19 Popp, Rose can Road, Hatley Sample Location:	DNR ID #: 350 OF (+0) FAG FAG DNR ID #: 351	Time Purged: <u>Sman</u> <u>SE</u> .047 <u>CET</u> WE Time Purged: <u>Sman</u>	ND SIDE FAU DER G Color: ND	ND CET COLID	WD Treated (V/N) N STA-CLEN WAR M Turbidity (quant, text, color): ND Treated (V/N)			

Softerer - Yes. Collect from - outside faucet across driveway from house (not softened - should be on year round)

Rev 3/19

See reverse side for sample custody information

NLS Private Well Sampling Form and Chain Of Custody (952013)

SITE: Marathon Co. Solid Waste Management Dept. / Area A - Private Wells

2A									
NLS Lab #:	Point Name / Hor	ncowner: PW24	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (qu	ant,text,color):	
QQ	Kluck	c, Mark	352	5 Min	ND	NP	NL	>	
010	R221950 Da	incan Road, Hatley		UMIN					
Date Sampled:	Time Sampled:	Sample Location:		. /	\circ			Treated (Y/N)	
4.14.21	0855	FRONT OF House FAUCET							
Comments:	•								
	· · · · · · · · · · · ·								
Softener-no Coll	ect from - front outs	ide faucet (4/21/10 - ow	ener said front fau	icet now works and is	closer to the well)				

NLS Lab #:	Point Name / Homeowner: PW17		DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (qu	nnt,text,color):	
819	Liebe, Neal R174825 Willow Lanc, Hatley		028	5 min	ND.	NO	ND		
Date Sampled:	Time Sampled:	Sample Location:						Treated (Y/N)	
4-14.21	0935	FRONT	of Ho	USE DUT:	SIDE FA	ucîl		N	
Comments:									
Softener no Collect from East side of house near driveway									
Conchet - no Conch	Contraction - Exististic (A HUGGC ACAT UTIVCHAY							

NLS Lab #:	Point Name / Hor	neowner: PW64	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (qu	ant,text,color):
820	Sheehan, Carol R221524 Duncan Road, Hatley		359	5 min	ND	JUD.	ND	
Date Sampled:	Time Sampled:	Sample Location:		_	•			Treated (Y/N)
4/2841.21	0810	BASEM	ENT	By PRESS	URE TAR	UK		N
Comments:				•				·
		•			•			
Softener yes Collect from faucet in basement before softener								
L								INCOME & LICENSE & LOCAL

NLS Lab #:	Point Name / Homeowner: PW88			DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (qu	ant,text,color):
821	Zogata, Aaron R222036 Duncan Road, Hatley		365	5 min	ND	ND	NO	>	
Date Sampled:	Time Sampled:	Sample L			-	-			Treated (Y/N)
4.14.21	0910		FRON	T of	HOUSE	DUTSIDE	T-AUCET	/ .	N
Comments:									
Softener yes Collect from outside faucet, front of house									
Rev 3/19 Sec reverse side for sample custody information								ning and an an an an an an an an an an an an an	

NLS Private Well Sampling Form and Chain Of Custody (953 053)

SITE: Marathon Co. Solid Waste Management Dept. / Area A - Private Wells

3A NLS Lab #:	Point Name / Hor	acowner: PW48	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (qu	ant,text,color):
822	Marathor	Co. Hwy Dept. Incan Road, Hatley	356	Smin	DU	ND	NE	
Date Sampled:	Time Sampled:	Sample Location:	l					Treated (Y/N)
4-14-21	0745	BATHRO	om SI	UK				N
Comments:								
· THEY	INSTALLER	NO TOUCH	SINK	I Cycle	0 (io Tu	MES)	•	
Softener - No. Colle					<u> </u>	-		

NLS Lab #:	Point Name / Hom	COWNER:	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (qu	ant,text,color):
NOSamp	🗘 Tri	p Blank	999	N/A	N/A	N/A	1	N/A
Date Sampled:	Time Sampled:	Sample Location:	L	· ·	L	<u> </u>		Treated (Y/N)
	N/A			N/A				N/A
Comments:								
		MACHINE AND INCOMESSION OF COMPANY OF COMPANY OF	altro and share and share	The second state of the se				

		-						
NLS Lab #:	Point Name / Hom	COWNER:	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (qua	nt,text,color):
Date Sampled:	Time Sampled:	Sample Location:		<u> </u>				Treated (Y/N)
Comments:						<u>. U. 1997. A</u>		
					•			
					1.0001230-00010-00010-00000-00			

• •		TO THE OWNER OF THE OWNER OF THE OWNER	******	TAXABLE PARTY OF TAXABLE PARTY OF TAXABLE PARTY.	TANK AN A DESCRIPTION OF THE OWNER OWNER OWN		
	Point Name / Hon		DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):
NLS Lab #:	Point Name / rior	neowner:					
				l			Treated (Y/N)
Date Sampled:	Time Sampled:	Sample Location:					
-	ł						· · ·
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Comments:							
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		CONTRACTOR OF THE OWNER OF THE OWNER OF THE OWNER OF T	1014 BR 814 10 10 10 10 10 10 10 10 10 10 10 10 10		Contraction of the state	verse side for sample o	ustody information
Poy 3/10					20010	Acton processor squapte e	



Marathon County Solid Waste Department 172900 E. Hwy 29 Ringle, WI 54471

Director: Site Supervisor: Administrative Office: Scale Master Solid Waste & Recycling Info Line 715-446-3101 X104 715-446-3101 X102 715-446-3101 X100 715-446-3101 X103 877-270-3989 toll-free

December 20, 2021

Wisconsin Department of Natural Resources Bureau of Solid Waste Management GEMS Data Submittal Contact, WA/3 P.O. Box 7921 Madison, WI 53707-7921

RE: Exceedance of Groundwater Standards for Marathon County Landfill, License No. 2892, 3338 & 4228 (Private Wells)

In accordance with NR 140, please accept this notification of groundwater monitoring results for the reporting period of October 2021. There were no exceedances in the private groundwater wells, and therefore an exceedance table has not been provided.

If you have any questions, please contact me.

Thank you,

David Hagenbucher Operations Manager Marathon County Solid Waste

C.c: Nathan Coller, Aaron Kent, Megan Ballweg, Sally Hronek. Meleesa Johnson, Lee Daigle, Mark Torresani.

ENVIRONMENTAL MONITORING DATA CERTIFICATION Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

State of Wisconsin

- Prepare one form for each license or monitoring ID.
- Please type or print legibly.

Department of Natural Resources

- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5 Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner): Northern Lake Service, Inc.

Hanta

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address: 715-478-2777 Phone:

Name: Chris Geske E-mail: lims@nlslab.com

Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003
Marathon County Area A Private Wells	02892		OCTOBER -27-2021
The enclosed results are for sampling required in the mo OCTOBER -2021	onth(s) of: (e.g., June 2003)		
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water sup Leachate monitoring data	oply wells 🛛 🗌 Air mo	onitoring data nitoring data specify)	
Notification attached? No. No groundwater standards or explosive gas limits were exceeded Ves, a notification of values exceeding a groundwater standard is atta groundwater standard and preliminary analysis of the cause and si Yes, a notification of values exceeding an explosive gas limit is attach explosive gas limits.	ached. It includes a list of monitoring po gnificance of any concentration.		
Certification To the best of my knowledge, the information report	ed and statements made on	this data submittal and	n d attachements
are true and correct. Furthermore, I have attached c groundwater standards or explosive gas levels, and concentrations exceeding groundwater standards.	omplete notification of any s	ampling values meeth cause and significant	ng or exceeding of
David Hagenbicher Facility Representative Name (Print)	Manager		715 55.1 5864 (Area Code) Telephone No.

12/31/21

Signature

- FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessar
- Found uploading problems on
- Notified contact of problems on a successfully on
- EDD format(s): I. Diskette . MCD (initial submittal and follow-up)... Email (follow-up only

Marathon County Solid Waste Mgmnt Dept Marathon County Area A Private Wells 10-01-2021

> Lab ID: 721026460 NLS Project: 375696 Collected: 10-01-2021 License: 02892 FID:

EXCEEDANCES:

Notes: site = site assigned PAL/ES : well = well assigned PAL/ES : NR140.10 = NR140 Public Health PAL/ES : NR140.12 = NR140 Public Welfare PAL/ES

State of Wisconsin ENVIRONMENTAL MONITORING DATA CERTIFICATION Department of Natural Resources Form 4400-231(R 1/04) Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats. Instructions: Prepare one form for each license or monitoring ID. Please type or print legibly. Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value. Attach a notification of any gas values that attain or exceed explosive gas levels. GEMS Data Submittal Contact - WA/5 Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707 - 7921 Monitoring Data Submittal Information Name of entity submitting data (laboratory, consultant, facility owner): Northern Lake Service, Inc. Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address: Chris Geske Phone: 715-478-2777 Name: lims@nlslab.com E-mail:__ Facility Name License No. / Monitoring ID Facility ID [FID] Actual sampling dates (e.g., July 2-6, 2003 Marathon County BRRDF Private Wells 337005680 OCTOBER -27-2021 04228 The enclosed results are for sampling required in the month(s) of: (e.g., June 2003) OCTOBER -2021 Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wells Gas monitoring data Groundwater monitoring data from private water supply wells Air monitoring data Leachate monitoring data Other (specify) Notification attached? No, No groundwater standards or explosive gas limits were exceeded. Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits, Certification 计通知时间 化同分子 网络小子子 To the best of my knowledge, the information reported and statements made on this data submittal and attachements are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significant of concentrations exceeding groundwater standards. Manager 715-551-5864 Tille (Area Code) Telephone No. savid Hagenbud Facility Representative Name (Print) /z/3,/2, Date Signature FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. EDD format(s): Diskette CD (initial submittal and follow-up) E-mail (follow-up only) Other

Marathon County Solid Waste Mgmnt Dept Marathon County BRRDF Private Wells (semi-annual) 10-01-2021

> Lab ID: 721026460 NLS Project: 375695 Collected: 10-01-2021 License: 04228 FID: 337005680

EXCEEDANCES:

	TINS	PAL / ACL	ß	Comments
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WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/23/21 Page 1 of 17 NLS Project: 375696 NLS Customer: 20080 Fax: 715 446 2906 Phone: 715 446 3339	LOD LOO/MCL Analyzed Method Lab 10/27/21 NA 721026460 721026460 10/27/21 NA 721026460 721026460 10/27/21 NA 721026460 721026460	to be in the negation of a considered of a considered of the strain of a considered of the strain of a considered of the strain of a considered of the strain of a considered of the strain of a considered of the strain of a considered of the strain of a considered of the strain of a considered of the strain of
ANALYTICAL REPORT	Result none detected none detected none detected none detected none detected	than or equal to the LOD but lass that the LOD and are within a region of "Less-Certain Quantitation". Results greater than or equal to the DeDeal of Lagrady with a schristered Reporting Limits. All LODILOOs adjusted to reflect dution and/or solids content, of Deal Ming Water Samples. Shaded results indicate >MCL.
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	Project: Marathon County Area A Private Wells October 2021 For Terms and Conditions please see www.nislab.com Malia Malia Parameter Matrix: GW Matrix: GW Parameter Parameter 10/27/21 11:15 Field color Field color Matrix: GW Parameter Field color Matrix: GW Field color Field color Matrix: GW Collected: 10/27/21 11:15 Received: 10/27/21 Parameter Collected: Color Matrix: GW Parameter Matrix: GW Matrix: GW Matrix: GW Parameter Collected: 10/27/21 Matrix: GW Parameter Field color Matrix: GW Matrix: GW Parameter Field color Matrix: GW Matrix: GW Parameter Field color Field color Matrix: GW Parameter Field color Field color Field color Field color Field color Field color Field color Field color Field color Field color Field color Field color Field color	Values in brackets represent results greater than or equal to the LC to be in the region of "Certain Quantitation". LOD and LOQ tagged ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples. For Terms and Conditions please see www.nlslab.com

WDNR Laboratory ID No. 721026460 ANALYTICAL REPORT Marathon County Solid Waste Mgmnt Dept NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 Marathon County Landfill Attn: Meleesa Johnson Client:

WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. WI00034 Page 2 of 17 Printed: 11/23/21

375696 NLS Project:

20080 NLS Customer:

Marathon County Area A Private Wells October 2021 Project:

Matrix: GW

Collected: 10/27/21 08:36 Received: 10/27/21

Parameter	Units		Lab
Field color	etected	10/27/21 NA	721026460
Field odor	none detected	10/27/21 NA	721026460
Field turbidity	none detected	10/27/21 NA	721026460
VOCs (water) by GC/MS	see attached www.	11/04/21 SW/846 8260C	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content.

DWB = Dry Weight Basis & %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples. LOD = Limit of Detection ND = Not Detected (< LOD)

For Terms and Conditions please see www.nlslab.com

Shaded results indicate >MCL LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

NA = Not Applicable

Reviewed by:

President

Authorized by: R. T. Krueger

R18500 East Highway 29 Ringle, WI 54471 9754

PW88 NLS ID: 1286313

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060

Marathon County Solid Waste Mgmnt Dept Marathon County Landfill R18500 East Highway 29 Attn: Meleesa Johnson Ringle, WI 54471 9754 Client:

Marathon County Area A Private Wells October 2021 Project:

PW24 NLS ID: 1286314 Matrix: GW

Collected: 10/27/21 08:45 Received: 10/27/21

Parameter	Result Units Dilution LOD LOQ/MCL Analyzed Method	Analyzed Method	Lab
Field color	tected	10/27/21 NA	721026460
Field odor	none detected	10/27/21 NA	721026460
Field turbidity	none detected	10/27/21 NA	721026460
VOCs (water) by GC/MS	see attached	11/04/21 SW846 8260C	721026460
Voluce in brockets concerns togethe aroute than an outed to the DO but loss	tur löce thän this in and are within a radiona of " acc Cadain Quantitation". Docutto and are for OCI off had a		O oro ocnoidorod

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dution and/or solids content.

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples. LOD = Limit of Detection ND = Not Detected (< LOD)

For Terms and Conditions please see www.nlslab.com

Shaded results indicate >MCI LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

NA = Not Applicable

Reviewed by:

Authorized by: R. T. Krueger President

ANALYTICAL REPORT

WDATCP Laboratory Certification No. 105-330 WDNR Laboratory ID No. 721026460 EPA Laboratory ID No. W100034 375696 Page 3 of 17 NLS Project: Printed: 11/23/21

20080

NLS Customer:

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520	ANALYTICAL REPOR	L REPORT	WDNR L WDATCP Laborato EPA	WDATCP Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034
Ph: (715)-478-2777 Fax: (715)-478-3060 Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754			Printed: NLS NLS Fax: 715 446 2906	Printed: 11/23/21 Page 4 of 17 NLS Project: 375696 NLS Customer: 20080 446 2906 Phone: 715 446 3339
Project: Marathon County Area A Private Wells October 2021 PW25 NLS ID: 1286315 Matrix: GW	321			
	Result Units none detected none detected none detected	Dilution	71	
VOCs (water) by GC/MS	see attached		11/04/21 S	SW846 8260C 721026460
Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to th to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content. ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable Reviewed by. More and/or solids content. DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 ug/L = 1 mg/L	D but less than the LOQ and are with an asterisk(*) are considered LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	within a region of "Less-Ce Reporting Limits. All LOD NA = Not Applicable	rtain Quantitation". Results greater than Λ LOQs adjusted to reflect dlution and/or Reviewed by: $\mathcal{M} = \mathcal{M} = \mathcal{M}$	Results greater than or equal to the LOQ are considered effect dlution and/or solids content. <i>Puthorized by:</i>
For Terms and Conditions please see www.nlslab.com				• •
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NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL	REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/23/21 Page 5 of 17	460 330 334 17
Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754			3r: 715 4	375696 20080 46 3339
Project: Marathon County Area A Private Wells October 2021 PW18 NLS ID: 1286316 Matrix: GW Collected: 10/27/21 09:12 Received: 10/27/21	021			
	Result Units none detected none detected none detected	Dilution	d Method L 1 NA 7 1 NA 7 1 NA 7 1 NA 7 7 7	460 460 460
VOUS (water) by GU/MS Values in brackets represent results greater than or equal to the LOD but less than th to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*)		e LOQ and are within a region of "Less-Certain Quantitation". are considered Reporting Limits. All LOD/LOQs adjusted to	e LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered are considered to onsidered to reflect dlution and/or solids content.	sidered
ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.		NA = Not Applicable Re	Reviewed by: Jur Land K R. T. Krueger R. T. Krueger President	ed by: ueger
For Terms and Conditions please see www.nlslab.com			- -	
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NORTHE Analytical 400 North Ph: (715)-4	NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environment 400 North Lake Avenue - Crandon, WI 5 Ph: (715)-478-2777 Fax: (715)-478-3060	NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	L REPORT	WD WDATCP Lab	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/23/21 Parte 6 of 17	. 721026460 Vo. 105-330 o. W100034
Client:	Marathon County Solid W Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754			Fax: 715	NLS Project: NLS Customer: Fax: 715 446 2906 Phone: 71	roject: 375696 ustomer: 20080 Phone: 715 446 3339
Project:	Marathon Cou	Project: Marathon County Area A Private Wells October 2021	ber 2021				
PW68 NL Matrix: GW Collected: 10	PW68 NLS ID: 1286317 4atrix: GW Collected: 10/27/21 08:25 R	PW68 NLS ID: 1286317 datrix: GW Collected: 10/27/21 08:25 Received: 10/27/21					
Parameter ⁻ield color			Result none detected	Dilution	LOD LOOMCL Analyz	Analyzed Method 10/27/21 NA	Lab 721026460
-ield odor -ield turbidity /OCs (water)	rield odor Field turbidity /OCs (water) by GC/MS		none detected none detected see attached		10/2//21 10/27/21 11/04/21	10/2//21 NA 10/27/21 NA 11/04/21 SW846 8260C	721026460 721026460 721026460
/alues in br o be in the r	ackets represent I region of "Certain	esults greater than or equal to th Quantitation". LOD and LOQ tag	/alues in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered o be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect duction and/or solids content.	within a region of "Less-Certain Qu Reporting Limits. All LOD/LOQs a	antitation". Results greate adjusted to reflect dlution a	r than or equal to the LO nd/or solids content.	Q are considered
JD = Not D€	VD = Not Detected (< LOD)	LOD = Limit af Detection	LOQ = Limit of Quantitation	NA = Not Applicable	۲ ۲		Authorized hyr

LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL. ND = Not Detected (< LOD) LOD = Limit af Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples. For Terms and Conditions please see www.nlslab.com

Reviewed by:

y U g d

Authorized by: R. T. Krueger President

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/23/24	NLS Project: 375696 NLS Customer: 20080	Fax: 715 446 2906 Phone: 715 446 3339	
ANALYTICAL REPORT			
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill	Ringle, WI 54471 9754 Project: Marathon County Area A Private Wells October 2021	PWT2 NLS 101: 1280318

Matrix: GW

Collected: 10/27/21 07:35 Received: 10/27/21

Parameter	Result Units Dilution LC	D LOQ/MCL	Dilution LOD LOQ/MCL Analyzed Method	Lab
Field color	tected		10/27/21 NA	721026460
Field odor	none detected		10/27/21 NA	721026460
Field turbidity	none detected		10/27/21 NA	721026460
VOCs (water) by GC/MS	see attached		11/04/21 SW846 8260C	721026460
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Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.

LOQ = Limit of Quantifiation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.

NA = Not Applicable

Reviewed by:

1 1 d

Authorized by: R. T. Krueger President

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NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060

Marathon County Solid Waste Mgmnt Dept Marathon County Landfill Attn: Meleesa Johnson Client:

Marathon County Area A Private Wells October 2021 Project:

PW64 NLS ID: 1286319 Matrix: GW

Collected: 10/27/21 08:10 Received: 10/27/21

Parameter	Units	Analyzed Method	Lab
Field color	none detected	10/27/21 NA	721026460
Field odor	none detectèd	10/27/21 NA	721026460
Field turbidity	none detected	10/27/21 NA	721026460
VOCs (water) by GC/MS	see attached	11/04/21 SW846 8260C	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect divition and/or solids content.

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples. LOD = Limit of Detection ND = Not Detected (< LOD)

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Shaded results indicate >MCL LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

NA = Not Applicable

d Reviewed by:

Authorized by: R. T. Krueger President

ANALYTICAL REPORT

R18500 East Highway 29 Ringle, WI 54471 9754

WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. WI00034 Page 8 of 17 Printed: 11/23/21

WDNR Laboratory ID No. 721026460

375696 NLS Project:

20080 NLS Customer:

Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 NORTHERN LAKE SERVICE, INC.

Marathon County Solid Waste Mgmnt Dept Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754 Attn: Meleesa Johnson Client:

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. WI00034

ANALYTICAL REPORT

Page 9 of 17 Printed: 11/23/21

375696 NLS Project:

20080 NLS Customer:

Marathon County Area A Private Wells October 2021 Project:

PW27 NLS ID: 1286320 Matrix: GW Collected: 10/27/21 10:42 Received: 10/27/21

Dilution LOD LOQ/MCL Analyzed Method Lab	10/27/21 NA 721026460	10/27/21 NA 721026460	10/27/21 NA 721026460	11/04/21 SW846 8260C 721026460	
Units	none detected	none detected	none detected	see attached	
Parameter Result	Field color	Field odor	Field turbidity	VOCs (water) by GC/MS	

Values in brackets represent results greater than or equal to the LOU but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content.

MCL = Maximum Contaminant Levels for Drinking Water Samples. LOD = Limit of Detection %DWB = (mg/kg DWB) / 10000. ND = Not Detected (< LOD) DWB = Dry Weight Basis

For Terms and Conditions please see www.nlslab.com

Shaded results indicate >MCL LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

NA = Not Applicable

Reviewed by:

Authorized by: R. T. Krueger President

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	, INC. onmental Services on, WI 54520 78-3060	ANALYTICAL REPORT	PORT	M	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/23/21 Pare 10.0517	No. 721026460 on No. 105-330 O No. W100034 Pare 10 of 17
Client: Marathon County Solid W Attn: Meleesa Johnson Marathon County Landfill	Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill				NLS Customer:	: 375696 er: 20080
Kitobuu East highway 29 Ringle, WI 54471 9754	ay 29 754				Fax: 715 446 2906 Phone	Phone: 715 446 3339
Project: Marathon County A	Project: Marathon County Area A Private Wells October 2021					
PW65 NL5 ID: 1286321 Matrix: GW Gollected: 10/27/21	ed: 10/27/21					
Parameter Field color	an Andreas and a set and an and a set of a set of a set of a set of a set of a set of a set of a set of a set o	Result Units	Dilution	LOD LOQ/MG	LOO/MCL Analyzed Method	Lab
Field odor		none defected			10/27/21 NA	721026460
Field turbidity		none detected			10/27/21 NA	721026460
VOCs (water) by GC/MS		see attached			11/04/21 SW846 8260C	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dution and/or solids content.

ND = Not Detected (< LOD)</th>LOD = Limit of DetectionDWB = Dry Weight Basis%DWB = (mg/kg DWB) / 10000MCL = Maximum Contaminant Levels for Drinking Water Samples.

For Terms and Conditions please see www.nlslab.com

LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.

NA = Not Applicable

5 ģ d Reviewed by:

Authorized by: R. T. Krueger President

Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 NORTHERN LAKE SERVICE, INC.

Marathon County Solid Waste Mgmnt Dept Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754 Attn: Meleesa Johnson Client:

Marathon County Area A. Private Wells October 2021 Project:

PW100 NLS ID: 1286322 Matrix: GW

Collected: 10/27/21 10:28 Received: 10/27/21

Parameter	Result Units Dilution LOD LOQ/MCL	MCL Analyzed Method	Lab
Field color	e detected	1	721026460
Field odor	none detected	10/27/21 NA	721026460
Field turbidity	none detected	10/27/21 NA	721026460
VOCs (water) by GC/MS	see attached	11/04/21 SW846 8260C	721026460

/alues in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content.

MCL = Maximum Contaminant Levels for Drinking Water Samples. %DWB = (mg/kg DWB) / 10000 LOD = Limit of Detection ND = Not Detected (< LOD) DWB = Dry Weight Basis

For Terms and Conditions please see www.nlslab.com

Shaded results indicate >MCL LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

NA = Not Applicable

Reviewed by:

Å

Authorized by: R. T. Krueger President

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No., 105-330 EPA Laboratory ID No. WI00034

Printed: 11/23/21 Page 11 of 17

375696 NLS Project:

20080 NLS Customer:

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034
Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754		Fillieu. 11/23/21 Fage 12 of 17 NLS Project: 375696 NLS Customer: 20080 Fax: 715 446 2906 Phone: 715 446 3339
Project: Marathon County Area A Private Wells October 2021 PW80 NLS ID: 1286323 Vathx: GW Collected: 10/27/21 10:10 Received: 10/27/21	1	

Inits Dilution LOD LOOMCL		
Result Duits	none detected	none detected
Parameter Field color	Field odor	Field turbidity

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered 721026460 10/27/21 NA 10/27/21 NA 10/27/21 NA 11/04/21 SV/846 8260C to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect duriton and/or solids content. see attached /OCs (water) by GC/MS

d Reviewed by: NA = Not Applicable 1000 ug/L = 1 mg/L Shaded results indicate >MCL. LOQ = Limit of Quantitation
 ND = Not Detected (< LOD)</th>
 LOD = Limit of Detection

 DWB = Dry Weight Basis
 %DWB = (mg/kg DWB) / 10000

 MCL = Maximum Contaminant Levels for Drinking Water Samples.

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Authorized by: R. T. Krueger President

Analyzed Method

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL REPORT	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Drinted: 11/22/21 Decents 217
Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	· · ·	Future Frage 13 01 1 NLS Project: 375696 NLS Customer: 20080 Fax: 715 446 2906 Phone: 715 446 3339
Project: Marathon County Area A Private Wells October 2021 PW53 NLS ID: 1286324 Matrix: GW Collected: 10/27/21 10:20 Received: 10/27/21	2021	
Parameter Field color Field odor	Result Units Dilution LOD none detected none detected	LOD LOQ/MCL Analyzed Method Lab 10/27/21 NA 721026460 10/27/21 NA 721026460

10/27/21 NA 11/04/21 SW846 8260C none detected none detected none detected see attached Field turbidity VOCs (water) by GC/MS

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.

For Terms and Conditions please see www.nlslab.com

Shaded results indicate >MCL. LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

NA = Not Applicable

アン d Reviewed by:

Authorized by: R. T. Krueger President

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NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060

Marathon County Solid Waste Mgmnt Dept Marathon County Landfill R18500 East Highway 29 Attn: Meleesa Johnson Ringle, WI 54471 9754 Client:

Marathon County Area A Private Wells October 2021

PW29 NLS ID: 1286325 Project:

Collected: 10/27/21 10:04 Received: 10/27/21 Matrix: GW

Parameter	Result Units Dilution LOD LOQ/MCI	LOD LOQ/MCL Analyzed Method	Lab
Field color		10/27/21 NA	721026460
Field odor	none detected	10/27/21 NA	721026460
Field turbidity	none detected	10/27/21 NA	721026460
VOCs (water) by GC/MS	see attached	11/04/21 SW846 8260C	721026460
Voltanti in branchate commands transition and the second starting the 1 OD	Abbientia heredente and the second to the LOD bird hard to the AON and an other and the Andre Autor Autor Autor		

values in prackets represent results greater than or equal to the LOU but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content.

DWB = Dry Weight Basis % DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples. LOD = Limit of Detection ND = Not Detected (< LOD) DWB = Dry Weight Basis

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Shaded results indicate >MCL LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

NA = Not Applicable

Reviewed by:

d

Authorized by: R. T. Krueger President

ANALYTICAL REPORT

WDATCP Laboratory Certification No. 105-330 WDNR Laboratory ID No. 721026460 EPA Laboratory ID No. WI00034

Page 14 of 17 Printed: 11/23/21

375696 NLS Project:

20080 NLS Customer:

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/23/21 Page 15 of 17 NLS Project: 375696 NLS Customer: 20080 Fax: 715 446 2906 Phone: 715 446 3339	LOD LOQ/MCL Analyzed Method Lab 10/27/21 NA 721026460 10/27/21 NA 721026460 10/27/21 NA 721026460		
ANALYTICAL REPORT	21 Result Units Dilution none detected none detected none detected	thut less than the LOQ and are within a region of "Less-Ce tith an asterisk(") are considered Reporting Limits. All LOC LOQ = Limit of Quantitation NA = Not Applicable 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	Project: Marathon County Area A Private Wells October 2021 PW54 NLS ID: 1286326 Imatrix: Im	Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dlution and/or solids content. ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable Reviewed by: Weight Basis %DWB = (mg/kg DWB) / 1000 ug/L = 1 mg/L DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 1000 ug/L = 1 mg/L Amg/L = Anximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL. For Terms and Conditions please see www.nlslab.com	

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NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 Ph: (715)-478-2777 Fax: (715)-478-3060 Client: Marathon County Solid Waste Mgmnt Dept Client: Attn: Meleesa Johnson	l Services 520 te Mgmnt Dept	ANALYTICA	IALYTICAL REPORT	WDATCPI	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/23/21 Page 16 of 17 NLS Project: '375696	721026450 No. 105-330 o. W100034 Ige 16 of 17 '375696
Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754				Fax:	NLS Customer: Fax: 715 446 2906 Phone: 71	ustomer: 20080 Phone: 715 446 3339
Project: Marathon County Area A Private Wells October 2021	vate Wells October 202				:	
PW17 NLS ID: 1286327 Matrix: GW Collected: 10/27/21 07:55 Received: 10/27/21	/21					
Parameter Field color		Result none detected	Dilution	LOD LOQ/MCL Ar	Analyzed Method 10/27/21 NA	Lab 721026460
Field ador Field turbidity		none detected none detected		10	10/27/21 NA 10/27/21 NA	721026460 721026460
VOCs (water) by GC/MS		see attached	a series and series and the state of the state of the state of the state of the state of the state of the state 		11/08/21 SW846 8260C	721026460
Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(") are considered Reporting Limits. All LOD/LOQs adjusted to reflect durtion and/or solids content.	than or equal to the LOD LOD and LOQ tagged wi	but less than the LOQ and are v th an asterisk(*) are considered	vithin a region of "Less-Cer Reporting Limits. All LOD/	tain Quantitation". Results gr LOQs adjusted to reflect dluti	eater than or equal to the LO on and/or solids content.	Q are considered
ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.		LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	NA = Not Applicable	Reviewed by: male r	C x J	Authorized by: R. T. Krueger President

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WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/23/21 Page 17 of 17		Fax: 715 446 2906 Phone: 715 446 3339			LOD LOQ/MCL Analyzed Method Lab 11/08/21 NA 721026460	e LOQ	Reviewed by: <i>Prade Letters</i> R. T. Krueger President						
ANALYTICAL REPORT				· · · · · · · · · · · · · · · · · · ·	Result Units Dilution see attached	t less than the LOQ and are within a region of "Less-C an asterisk(*) are considered Reporting Limits. All LOI	LOQ = Limit of Quantitation NA = Not Applicable 1000 ug/L = 1 mg/L Shaded results indicate >MCL.						
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Fandfill	Ratauron County Landin R18500 East Highway 29 Ringle, WI 54471 9754	Project: Marathon County Area A Private Wells October 2021	Matrix: TB Collected: 10/27/21 00:00 Received: 10/27/21	Parameter VOCs (water) by GC/MS	Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the to be in the region of "Certain Quantitation". LoD and LOQ tagged with an asterisk(") are considered Reporting Limits. All LOD/LOQs adjusted to reflect dution and/or solids content.	ND = Not Detected (< LOD) LOD = Limit of Detection LC DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 10 MCL = Maximum Contaminant Levels for Drinking Water Samples. Sh	For Terms and Conditions please see www.nlslab.com	• • • • • • • • • • • • • • • • • • •	· ·	· ·		

Total Maste Manut Dept (1000000000000000000000000000000000000	Project Title: October 2021 Template: Al Project Title: October 2021 Template: Al Project Title: October 2021 Template: Al Sample: 1286312 Froject Title: October 2021 Template: Al Sample: 1286312 Project Title: October 2021 Template: Al Sample: 1286312 Froject Title: October 2021 Template: Al Sample: 1286312 Froject Title: October 2021 Analyzed Sample: 1286312 Froject Title: October 2021 Analyzed Sample: 1286312 Froject Title: October 2021 Analyzed Sample: 1286312 Fromodichloromethane Encondichloromethane Bromonethane Chlorofer Chlorofer Distromonethane 1.2-Dishonoestrene I.1-Dischlorofer Distromonethane 1.2-Dishonoestrene I.1-Dischlorofer Distromonethane 1.2-Dishonoestrene I.1-Dischlorofer Distromonethane I.2-Dishonoestrene I.1-Dischlorofer Distromonethane I.2-Dischlorofer I.2-Dischlorofer Distromonethane I.2-Dischlorofer I.2-Dischlorofer Distromostrene I.2-Dischlorofer I.2-Dischlorofer Distror		175696 d: 11/23/202 UNITS ug/L ug/L ug/L	1 06:58				
APP3 Printed: 11/23/2021 06:58 Result UNITS Dit LOD LOD MCL ND ug/L 1 0.20 0.67 5 5 ND ug/L 1 0.20 0.67 5 5 0 ND ug/L 1 0.27 0.91 0	Project Description: Marathon County Area A Private Wells Project Title: October 2021 Template: AI Sample: 1286312: PW48 Collected 10/27/21: Analyzed 11/04/21: Analytes ANALYTE NAME ANALYTE NAME Benzene Bromodichloromethane Bromomethane Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Dibromoethane 1,2-Dibromoethane Dibromoethane Chlorobenzene Chlorobenzene Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloroethane 1,		d: 11/23/202 UNITS UNITS UNL UNITS UD/L UD/L	1 06:58				
RESULT UNTS DIL LOD MCL ND ug/L 1 0.25 0.34 5 ND ug/L 1 0.20 0.87 5 ND ug/L 1 0.20 0.87 5 ND ug/L 1 0.20 0.87 5 ND ug/L 1 0.27 0.81 80 ND ug/L 1 0.34 1.15 100 ND ug/L 1 0.34 1.16 80 ND ug/L 1 0.27 0.81 80 ND ug/L 1 0.27 80 75 ND ug/L 1 0.27 80 75 ND ug/L 1 0.29 2.00 75 ND ug/L 1 0.29 75 70 ND ug/L 1 0.21 0.26 70 ND ug/L	Sample: 1286312 PW48 Collected: 10/21/24 Analyzed: 11/04/21 Analyzed:	IS 43 RESULT ND ND ND ND ND ND ND ND ND ND ND ND ND	ug/L ug/L ug/L					
RESULT UNTS DIL LOD LOD LOD MOL NID ugit 1 0.23 0.24 1 0.23 0.24 NID ugit 1 0.23 0.24 1 0.23 0.24 NID ugit 1 0.27 <th>ANALYTE NAME Benzene Bromodichloromethane Bromoform Bromonethane Carbon Tetrachloride Carbon Tetrachloride Chlorobenzene Chlorobenzene Chloromethane Chloromethane Chloromethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dichlorobenzene Dibromonethane 1,2-Dichlorobenzene Dibromonethane 1,2-Dichlorobenzene Dichlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Dibromonethane Chlorobenzene Chlorobenzene Dibromonethane Chlorobenzene Dibromonethane Chlorobenzene Chlorobe</th> <th>RESULT ND ND ND ND ND ND ND ND ND ND ND ND ND</th> <th>UNITS ug/L ug/L</th> <th></th> <th>日本であることである</th> <th>であったのないので</th> <th>AND A REPORT OF A DATA AND AND AND AND AND AND AND AND AND AN</th> <th></th>	ANALYTE NAME Benzene Bromodichloromethane Bromoform Bromonethane Carbon Tetrachloride Carbon Tetrachloride Chlorobenzene Chlorobenzene Chloromethane Chloromethane Chloromethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dichlorobenzene Dibromonethane 1,2-Dichlorobenzene Dibromonethane 1,2-Dichlorobenzene Dichlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Dibromonethane Chlorobenzene Chlorobenzene Dibromonethane Chlorobenzene Dibromonethane Chlorobenzene Chlorobe	RESULT ND ND ND ND ND ND ND ND ND ND ND ND ND	UNITS ug/L ug/L		日本であることである	であったのないので	AND A REPORT OF A DATA AND AND AND AND AND AND AND AND AND AN	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Benzene Bromodichloromethane Bromodichloromethane Bromonethane Carbon Tetrachloride Carbon Tetrachloride Chlorobenzene Chlorobenzene Chlorotethane Chlorotethane Chlorotethane Chlorotethane Chlorotethane Chloromethane Dibromochloromethane Dibromochloromethane 1,2-Dibromochlane Dibromonethane 1,2-Dibromochlane Dibromoethane 1,2-Dibromoethane Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,1-Dichlorobenzene Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2		ng/L ug/L ug/L	DIL	LOD	год	MCL	Note
ND ugil ugil ND 1 0.20 0gil ND 0.67 0gil ND 80 0gil ND ND ugil ugil ND 1 0.22 0.67 80 027 ND ugil ugil ND 1 0.23 0.81 0.81 80 0.7 ND ugil ugil ND 1 0.21 0.81 0.81 0.81 ND ugil ugil ND 1 0.21 0.81 0.81 0.81 ND ugil Ugil ND 1 0.21 0.81 0.81 0.91 ND ugil Ugil ND 1 0.23 0.81 0.71 0.72 ND ugil Ugil ND 1 0.23 0.82 0.70 0.71 ND ugil Ugil 1 0.23 0.81 77 0.81 77 ND ugil Ugil 1 0.73 0.81 75 5 75 ND ugil Ugil 1 0.71 0.71 0.71 70 70 ND ugil Ugil 1 <	Bromodichloromethane Bromoform Bromonethane Carbon Tetrachloride Chlorobenzene Chlorobenzene Chlorobenzene Chloronethane Dibromochloromethane 1,2-Dibromo-3-Chloropropane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibronoethane 1,2-Dibronoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichloroethene 1,2-Dichloroethene		ug/L ug/L	-	0.25	0.84	5	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Biromonomethane Biromomethane Chlorobenzene Chlorobenzene Chlorotethane Chloronethane Chloronethane Chloronethane 1,2-Dibromo-3-Chloropropane 1,2-Dibromonethane Dibromonethane 1,2-Dibronoethane Dibromonethane 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenze		Ud/L	. ,	0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Distribution Chlorobertarene Dibromochloromethane 1,2-Dibromoethane Dibromonethane 1,2-Dibromoethane Dibromonethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenene 1,2-Dichlorobenzene		1/201		0.27	19.0	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chlorobenzene Chlorobenzene Chloromethane Chloromethane Dibromochloromethane 1,2-Dibromo-a-Chloropropane 1,2-Dibromoethane Dibromomethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichloroethene		ug/L	- -	0.17	د.ت 0 55	ч	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroethane Chloroethane Chloromethane Dibromochloromethane Dibromochloromethane 1,2-Dibromo-3-Chloropropane 1,2-Dibromoethane Dibromonethane 1,2-Dibromoethane Dibromonethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene		ua/L		0.34	11	100	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroform Chloromethane Dibromochloromethane Dibromochloromethane 1.2-Dibromo-3-Chloropropane 1.2-Dibromoethane 1.2-Dibromoethane Dibromoethane 1.2-Dibromoethane Dibromoethane 1.2-Dichlorobenzene 1.3-Dichlorobenzene 1.4-Dichlorobenzene 1.1-Dichlorobenzene 1.1-Dichloropenzene 1.1-Dichloropentene 1.2-Dichloropethene 1.2-Dichloropethene 1.2-Dichloropethene 1.2-Dichloropethene 1.2-Dichloropethene 1.2-Dichloropethene 1.2-Dichloropethene		ua/L		1.5	5.0	222	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloromethane Dibromochloromethane 1.2-Dibromo-3-Chloropropane 1.2-Dibromoethane 1.2-Dibromoethane 1.2-Dibromoethane 1.2-Dichlorobenzene 1.3-Dichlorobenzene 1.3-Dichlorobenzene 1.4-Dichlorobenzene 1.1-Dichlorobenzene 1.2-Dichlorobenzene 1.2-Dichlorobenzene<		na/L	•	0.24	0.81	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromochloromethane 1,2-Dibromo-3-Chloropropane 1,2-Dibromoethane 1,2-Dichorobenzene 1,2-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane		ng/L	-	0.81	2.7		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromo-3-Chloropropane 1,2-Dibromoethane Dibromoethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane		ng/L	-	0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromoethane Dibromomethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,1-Dichlorotethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethene trans-1,2-Dichloroethene trans-1,2-Dichloroethene cis-1,3-Dichloroptopane		ng/L		0.36	1.2		-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromomethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichlorotethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane cis-1,2-Dichloroethene trans-1,2-Dichloroethene cis-1,3-Dichloroptopane		ug/L	~	0.21	0.71		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane	ON ON ON	ng/L	+	0.17	0.55		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorotenzene 1,1-Dichlorotethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane cis-1,2-Dichloroethane	OZ CZ	ug/L	←	0.28	0.92	600	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,4-Dichlorobenzene Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane cis-1,2-Dichloroethane trans-1,2-Dichloroethane cis-1,3-Dichloroptopane	CZ	T/Bn	~	0.28	0.93		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dichlorodiflucromethane 1.1-Dichloroethane 1.2-Dichloroethane 1.2-Dichloroethene trans-1.2-Dichloroethene trans-1.2-Dichloroethene trans-1.2-Dichloroethene trans-1.2-Dichloroptene		ug/L	-	0.30	0.99	75	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.1-Dichloroethane 1.2-Dichloroethane 1.1-Dichloroethene istras-1.2-Dichloroethene trans-1.2-Dichloroethene cist-1.2-Dichloroethene cist-1.2-Dichloroethene cist-1.2-Dichloroethene cist-1.2-Dichloroethene cist-1.2-Dichloroethene	QN	ng/L	~	0.59	20	-	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.2-Dichloroethene 1.1-2-Dichloroethene cis-1.2-Dichloroethene trans-1.2-Dichloroethene 1.2-Dichloroptopane cis-1.3-Dichloroptopene	QN	ug/L	·	0.20	0.66		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1-Uichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene	מא	ng/L	-	0.43	1.4	٦ ٦	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	cts-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene		ng/L		0.19	0.03	/	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,2-Dichloropropane cis-1,3-Dichloropropene		ug/E		0.20	0.00	007	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,z		1/01		0.0	0.54	2 4	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		DN	na/L		0.16	0.53		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	trans-1.3-Dichloropropene	QN	ua/L		0.24	0.81		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Ethvibenzene	DN	ng/L	-	0.33	1.1	700	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Methylene chloride	DN	ug/L		0.61	2.0	5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Naphthalene	DN	ng/L	~	0.66	2.2		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Styrene	Ŋ	ng/L	-	0.40	1.3	100	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ortho-Xylene	Q	ug/L	-	0.38	1.3		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tetrachloroethene	DN	ug/L	~- ·	0.34		5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Toluene	Q	ng/L	,	0.29	0.98	1000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1,1-Trichloroethane	ON CI	ug/L		0.11	0.35	200	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1,2-1 richloroethane		ng/L		0.10	70.0	ה ע	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			-1/Di		0.00	0.75	2	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Tricritoriuoronieurane Vinut chlorida		ug/L 110/L	-	0.14	0.47	2	
ND ug/L 1 0.41 1.4 [19] ug/L 1 13 44 ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 104/8 1 1 1.7 5.5	viriyi ulionde meta para-Yvlana	CN	ua/L		0.70	2.3	10000	
[19] ug/L 1 13 44 ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 104% 1 1	metalpara Aykite MTRF	Q	ua/L	- - -	0.41	1.4		
ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 117% 1 1 7 5.5 104% 1 1 1.7 5.5	Acetone	[19]	ng/L	-	13	44		ſ
ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 117% 1 1 7 5.5 104% 1 1 1 7	Carbon Disulfide	DN	ng/L	1	0.17	0.57		
ND ug/L 1 1.7 5.5 117% 1 1 104% 1 1 ···	Methyl Ethyl Ketone	DN	ug/L	-	2.7	9.0		
117% 1 104% 1	Tetrahydrofuran	QN	ug/L		1.7	5.5		
104%	Dibromofluoromethane (SURR)	117%		-				S
	Toluene-d8 (SURR)	104%		, ,				S
38%	1-Bromo-4-Fluorobenzene (SURR)	98%		1				ð.
	NOTES APPLICABLE TO THIS ANALYSIS:	2 00		-				>

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation. S = This compound is a surrogate used to evaluate the quality control of a method.

Secondarial (2003)3. FMURE Concrete (2003)3. FWURE Concrete (2003)3. FWURE <thconcrete (2003)3.="" fwure<="" th=""> <thconcre(2003)3< th=""><th>Customer: Marathon County Solid Waste Mgmnt Dept Project Description: Marathon County Area A Private Wells Project Title: October 2021</th><th>APP3</th><th>Printed: 11/23/2021 06:58</th><th>1 06:58</th><th></th><th></th><th></th><th>-</th></thconcre(2003)3<></thconcrete>	Customer: Marathon County Solid Waste Mgmnt Dept Project Description: Marathon County Area A Private Wells Project Title: October 2021	APP3	Printed: 11/23/2021 06:58	1 06:58				-
RESULT UNTS DIL DO DO DO DO DO MO ND ugit 1 0.23 0.69 6 0.01 MC ND ugit 1 0.21 0.21 0.21 0.02 0.02 MC ND ugit 1 0.21 0.21 0.21 0.01 <	Sample::1286313 PW88 Collected::10/27/21#/malyzed:	1.H04/21 Analytės: 43			たいであたいの			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
ND ugil 1 0.20 0.67 86 ND ugil 1 0.87 0.87 0.81 0.91	Benzene	ND	ng/L	-	0.25	0.84	5	
ND Ug/L 1 0.22 0.91 1 0.27 0.91 0.91 1 0.91 <th0.91< th=""> <th0.91< th=""> <th0.91< th=""></th0.91<></th0.91<></th0.91<>	Bromodichloromethane	QN	ng/L	ر ا	0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromotorm		ug/L		0.27	0.91	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			ug/L	-	0.07	0.55	LC.	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		DN	uq/L	-	0.34	1.1	100	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroethane	DN	ng/L		1.5	5.0		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroform	DN	ug/L		0.24	0.81	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloromethane	DN	ug/L	~ ~	0.81	2.7		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromochloromethane	DN	ug/L	~	0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromo-3-Chloropropane	QN	ng/L		0.36	75		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,z-Ulpromoetriane Dibromomothomo		ng/L		1.7.0	1./1		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			ug/L	- +	0.17		000	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dichlorohanzane	UN CIN	10/L	-	0.20	0.92	000	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.4-Dichlorobenzene		ug/L lig/L		0.30	66 U	75	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dichlorodifluoromethane		ng/L		0.59	2.0		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,1-Dichloroethane		ng/L	~	0.20	0.66		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dichloroethane	ND	ug/L	.	0.43	1.4	5	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,1-Dichloroethene	ND	ug/L		0.19	0.63	7	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	cis-1,2-Dichloroethene	ND	ng/L	~	0.20	0.66	70	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	trans-1,2-Dichloroethene	ON.	ng/L		0.19	0.64	100	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,2-Dichloropropane		ng/L		0.10	0.54	£	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CIS-1, J-DICRIOTOPTOPENE		T/Dil	_	0.00	0.00		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Lians-1, 0-UluinUUUUUUUU		10/I		0.33	111	200	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Methylene chloride	QN	ua/L		0.61	2.0	2	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Naphthalene	QN	ug/L	-	0.66	2.2		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Styrene	DN	ng/L	-	0.40	1.3	100	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ortho-Xylene	ΟN	ug/L	4	0.38	1.3		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tetrachloroethene	Q	ng/L		0.34	1.1	5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Toluene	QN	ng/L	~ ,	0.29	0.98	1000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1,1-Trichloroethane	GN	ng/L	-	0.11	0.35	200	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1,2-Trichloroethane		ug/L		01.0	70.0	O u	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	I richioroethene		1/7 1/2/1		0.00	0.75	0	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			ug/L	- -	770	0.13	6	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Virityi Girioride		1/0/1		0.70	23	10000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		CIN	10/1		0 41	14		
ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 110% 1	Arafone	[35]	ua/L		13	44		~
ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 125% 1 1 1.7 5.5 110% 1	Carhon Disulfide	QN	ng/L	1	0.17	0.57		
ND ug/L 1 1.7 5.5 125% 1 1 110% 1 105% 1	Methyl Ethyl Ketone	DN	ng/L	-	2.7	0.6		
125% 1 110% 1 10% 1	Tetrahydrofuran	DN	ug/L	-	1.7	5.5	-	
110% 1	Dibromofluoromethane (SURR)	125%		~ -				S and a second s
	Toluene-d8 (SURR)	110%			-			S
	1-Bromo-4-Fluorobenzene (SURR)	105%						s.

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation. S = This compound is a surrogate used to evaluate the quality control of a method.

the maratrion county area a ritvate wens ber 2021 Template: AP3 4 Collected 10/2/1/21 Analyzed M104/21 Analytes 43 ND ND ND ND ND ND ND ND ND ND ND ND ND		Printed: 11/23/2021 06:58 T UNITS DIL ug/L 1 ug/L 1 ug/L 1 1 1	8 LOD 0.25 0.26 0.27 0.26 0.26 0.26 0.26 0.26 0.20 0.20 0.20	LOQ LOQ 0.91 0.67 0.67 1.1 1.1 1.2 0.55 0.93 0.67 0.67 0.67 0.65 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	MCL 80 80 80 80 80 80 80 80 80	MD
			LOD 0.25 0.26 0.27 0.27 0.27 0.26 0.34 0.34 0.34 0.34 0.26 0.21 0.28 0.28 0.28 0.28 0.28 0.20 0.21 0.27 0.27 0.27 0.26 0.27 0.26 0.27 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.27 0.26 0.26 0.26 0.27 0.26 0	LOQ LOQ 0.84 0.67 0.67 0.55 1.1 1.1 1.2 0.55 0.81 0.67 0.65 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	MCL 80 80 80 80 80 80 80 80	MD
opaine opaine			LOD 0.26 0.27 0.27 0.34 0.34 0.36 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	LOQ 0.84 0.67 0.91 2.9 0.55 0.55 0.67 1.1 1.1 2.7 0.67 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	MCL 5 100 80 80 80 80 80 80 80 80 80 80 80 80 8	MD
			0.25 0.27 0.27 0.34 1.5 0.36 0.24 0.20 0.21 0.28 0.28 0.28 0.28 0.28 0.20 0.28 0.28	0.84 0.67 0.91 2.9 2.3 1.1 1.1 1.1 2.7 0.67 0.67 0.67 0.92 0.93 0.93 0.93 0.93 0.93 0.93 0.66	5 80 80 80 80 80	Щ
			0.20 0.27 0.27 0.34 1.5 0.36 0.21 0.20 0.28 0.28 0.28 0.28 0.20 0.28 0.20 0.28 0.20 0.28	0.67 0.91 0.55 0.55 0.67 0.67 0.67 0.65 0.92 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.66	80 80 80 80 80 80 80 80 80 80 80 80 80	QW
			0.27 0.87 0.34 1.5 0.24 0.20 0.21 0.28 0.28 0.28 0.28 0.28 0.28 0.20 0.28 0.20 0.28	0.91 2.9 1.1 1.1 1.1 1.1 1.2 0.81 0.81 0.81 0.81 0.85 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	80 80 80 80 80 80	ФМ
			0.87 0.17 1.5 0.24 0.20 0.21 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	2.9 0.55 0.81 0.81 0.81 0.81 0.81 0.82 0.93 0.93 0.93 0.93 0.93 0.66	5 100 80 80	Q
obane			0.17 1.5 0.24 0.21 0.20 0.28 0.28 0.28 0.28 0.28 0.28 0.20 0.28	0.33 5.0 0.81 0.67 0.67 0.55 0.92 0.93 0.93 0.93 0.93 0.93 0.66	80 80 80	ДМ
baane			0.24 0.24 0.20 0.21 0.23 0.28 0.28 0.28 0.28 0.20 0.28 0.20 0.20	5.0 0.81 2.7 0.67 1.2 0.67 0.55 0.92 0.93 0.93 0.93 0.93 0.93 0.93	80 80	
obane			0.24 0.81 0.20 0.20 0.28 0.28 0.28 0.28 0.28 0.28	0.87 2.7 1.2 0.67 0.55 0.92 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.66	80 80	
obane			0.81 0.20 0.36 0.21 0.28 0.28 0.28 0.28 0.20	2.7 0.67 1.2 0.55 0.93 0.93 0.93 0.93 0.93 0.66	80	
obane			0.20 0.36 0.17 0.28 0.28 0.28 0.28 0.28 0.20	0.67 1.2 0.71 0.55 0.92 0.93 2.0 0.66	80	
Chane			0.36 0.21 0.28 0.28 0.28 0.28 0.28 0.28 0.20	1.2 0.71 0.55 0.92 0.93 0.93 0.99 0.66		
			0.21 0.17 0.28 0.28 0.30 0.59 0.50	0.71 0.55 0.92 0.99 2.0 0.66		
			0.17 0.28 0.30 0.59 0.20	0.55 0.92 0.99 0.66		
			0.28 0.28 0.59 0.20	0.92 0.93 0.99 2.0 0.66		
			0.28 0.30 0.20	0.99 0.99 0.66	600	
	an an An An An An		0.30 0.59 0.20	0.99 0.66		
	ar da Ek juli	<u>1</u>	0.20	2.U 0.66	¢/;	
		<u>//</u>	0.2.0	0.00		
			0.43	44	ч	
		1/1	0.19	0.63	2	MSH
		1	0.20	0.66	70	
		1	0.19	0.64	100	
		J/L 1	0.16	0,54	5	
		J/L 1	0.16	0.53		
je		<u>//</u>	0.24	0.81		
		<u>1</u>	0.33	11	200	
Iloride		/L 	0.61	2.0	£	
llene		//F 1	0.66	2.2	001	
			0.40		001	
			0.30	- - - - -	u	
oroethene		/1	0.04	0 08	0001	UINI
1 0 ruleite NND 1 1 Trichhance ND		//	0.11	0.35	200	
	-	<u>1</u>	0.16	0.52	2	
		<u>1</u>	0.35	1.2	ŝ	
tethane		<u>/L</u> 1	0.22	0.75		
	1.	/L 1	0.14	0.47	2	
lerie		Л. 1	0.70	2.3	10000	
	ID ng/F	AL 1	0.41	1.4		
Acetone ND		/L 1	13	44		
Carbon Disulfide ND	I/bn	<u>/L</u> 1	0.17	0.57		MSH
Methyl Ethyl Ketone ND		<u>L</u> 1	2.7	<u>9.0</u>		
		/L 1	1.7	5.5		
ane (SURR)	3%					ν
	3%					
1-Bromo-4-Fluorobenzene (SURR)	%1					o

3 – This compound is a surrogate used to evaluate the quanty control of a monoto. MSH = Matrix spike recovered above QC limits. MD = Matrix spike and matrix spike duplicate relative percent difference exceeded QC limits.

Andread Andread <t< th=""><th>ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water</th><th></th><th>. 275606</th><th></th><th></th><th></th><th></th><th>Page 4 of 17</th></t<>	ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water		. 275606					Page 4 of 17
Arro Frinted: 112.32021 Ub:36 Set 3 ND ug/L 1 0.20 0.67 80 ND ug/L 1 0.20 0.67 80 MCL ND ug/L 1 0.20 0.67 80 MCL ND ug/L 1 0.27 0.67 80 80 ND ug/L 1 0.27 0.67 80 80 ND ug/L 1 0.27 0.67 80 90 ND ug/L 1 0.27 0.67 80 7 ND ug/L 1 0.26 0.67 7 90 ND ug/L 1 0.26 0.66 7 700	Project Description: Marathon County Area A Private						•	
Sester: Nurse Dir Loo Loo MCL ND ug/L 1 0.25 0.84 6 ND ug/L 1 0.27 0.81 80 ND ug/L 1 0.27 0.81 80 ND ug/L 1 0.26 0.77 80 ND ug/L 1 0.26 0.77 80 7 ND ug/L 1 0.26 0.77 80 7 7 ND ug/L 1 0.26 0.77 80 7 7 ND ug/L 1		ALLS	11/23/20	80:00 L7				
RESULT UNTS DIL LOO LOO MCL ND ug/L 1 0.27 0.61 0.00 MCL ND ug/L 1 0.27 0.61 0.00 MCL ND ug/L 1 0.27 0.61 0.01<	Sample::1286315 PW25 Collected::10/27/21 Analyzed::1//04/21	- Analytes: 43						
ND ug/l 1 0.22 0.64 5 ND ug/l 1 0.22 0.64 5 ND ug/l 1 0.77 0.91 10 ND ug/l 1 0.77 0.91 80 ND ug/l 1 0.77 0.91 10 ND ug/l 1 0.77 0.51 50 ND ug/l 1 0.77 0.51 60 60 ND ug/l 1 0.77 0.57 60 60 ND ug/l 1 0.77 0.57 60 60 ND ug/l 1 0.77 0.57 60 60 ND ug/l 1 0.71 0.71 0.71 67 60 ND ug/l 1 0.73 0.71 0.71 67 67 67 67 67 67 67 67 67 67	ANALYTE NAME	RESULT	UNITS	DIL	LOD	Log	MCL	Note
ND ug/L 1 0.20 0.67 80 ND ug/L 1 0.27 0.67 80 ND ug/L 1 0.27 0.67 80 ND ug/L 1 0.27 0.67 80 ND ug/L 1 0.72 0.67 80 ND ug/L 1 0.72 0.67 80 ND ug/L 1 0.74 0.73 60 ND ug/L 1 0.74 0.77 80 ND ug/L 1 0.73 0.77 80 ND ug/L 1 0.73 0.77 80 ND ug/L 1 0.74 1.4 67 ND ug/L 1 0.75 60 67 ND ug/L 1 0.74 1.4 67 ND ug/L 1 0.75 0.67 67 ND	Benzene	QN	ng/L	.	0.25	0.84	5	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromodichloromethane	QN	ng/Ì.	~	0.20	0.67	. 80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromotorm	QN	ng/L	·e •	0.27	0.91	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Cornometriane		/I 1/51		0.8/	2.9	L	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Caliboli Teuracriloride Chlorohanzana		ng/L	-	0.1/	44.0 7	007	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroethane		ng/L	\	1.54		100	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroform	GN	- na/r	-	0.24	0.0	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloromethane	QN	na/L	-	0.81	2.7	2	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromochloromethane	ŊŊ	ng/L		0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromo-3-Chloropropane	QN	ng/L	1	0.36	1.2		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromoethane	QN	ng/L	٢	0.21	0.71		
ND ug/L 1 0.28 0.52 600 ND ug/L 1 0.28 0.59 75 ND ug/L 1 0.30 0.39 75 ND ug/L 1 0.30 0.39 75 ND ug/L 1 0.20 0.66 7 ND ug/L 1 0.29 0.69 7 ND ug/L 1 0.30 0.63 7 ND ug/L 1 0.19 0.65 7 ND ug/L 1 0.16 0.65 7 ND ug/L 1 0.16 0.65 7 ND ug/L 1 0.16 0.65 7 ND ug/L 1 0.61 0.63 7 ND ug/L 1 0.61 1.00 0.63 7 ND ug/L 1 0.61 0.61 0.61 0.61	Dibromomethane	QN	ng/L		0.17	0.55		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dichlorobenzene	DN	ng/L	1	0.28	0.92	600	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,3-Dichlorobenzene	QN	ug/L	~	0.28	0.93		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,4-Dichlorobenzene	Q	ng/L	~ ~	0.30	0.99	75	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dichloroditiuoromethane	ON.	ng/L		0.59	2.0		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		ON .	ug/L		0.20	0.66		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,Z-UCINOLOEUTARIE		ng/L	-	0.43	1.4	۰ ۱	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1, 1-Dictriologurence		ng/L	-	0.19	0.03	<u> </u>	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	us-1,2-Dictioroetriere trans-1,2-Dictioroethana		ng/L		0.40	00.0	0/	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 2-Dichloronzonana		10/1		0.0	40.0 2 2 4	200	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	r.zUrichiopaure cis-1 3-Dichloroprobane	AN N	ug/L		0.10	0.53	0	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	trans-1 3-Dichloropropene	QN	10/J		0.24	0.81		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Ethylbenzene	QN	na/L		0.33		700	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Methylene chloride	QN	uq/L	-	0.61	2.0	5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Naphthalene	QN	ng/L	~	0.66	2.2		
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Styrene	QN	ng/L	۲	0.40	1.3	100	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ortho-Xylene	ND	ng/L	1	0.38	1.3		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tetrachloroethene	QN	- ng/L		0.34	1.1	5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Toluene	QN	, ng/L	1	0.29	0.98	1000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1,1-Trichloroethane	QN	ug/L	~	0.11	0.35	200	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1,2-Trichloroethane	Q	ng/L		0.16	0.52	2	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Trichloroethene	ON NO.	ng/L	÷,	0.35	1.2	5	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	I richlorottuoromethane		ng/L		0.22	C/ 0	c	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1/6/1-		0.14	0.47	7.0000	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Imeta, para-Ayiene Mrttbt		1/0/L	- +	0.10	C.7	00001	
ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 2.7 9.0 98% 1 1 1.7 5.5 88% 1 1 8.5	WI DE Acetone		110/1		13	44		
ND ug/L 1 2.7 9.0 ND ug/L 1 2.7 9.0 98% 1 1 1.7 5.5 88% 1 1 85%	Accivite Carhon Disulfida		10/1	- ~	0.17	0.57		
ND ug/L 1 1.7 5.5 98% 1 1 1.7 5.5 98% 1 1 89% 1	Varbui Ethul Ketnne	CIN	10/]		27	0.6		
98% 1 98% 1 89% 1	Tetrahvdrofuran	Q	na/L		1.7	5.5		
98% 1 89% 1	Dibromofluoromethane (SURR)	98%	>	~				S
89% 1	Toluene-d8 (SURR)	98%					-	S
	1-Bromo-4-Fluorobenzene (SURR)	89%		~ ~				S

Project Description: Marathon County Area A Private Wells	Project Description: Marathon County Area A Private Wells					
Project Title: October 2021	APP3	Printed: 11/23/2021 06:58	:58			
Sample:31286316 < PWH 8 Collected 10/27/21 Analyzed 11/04/21 * Analyt	711/04/21 - Analytes: 43	いたいのでいたないないないの				
ANALYTE NAME	RESULT	UNITS DIL		LOQ	MCL	Note
Benzene	DN	ug/L 1	0.25	0.84	5	
Bromodichloromethane	Q	ug/L 1	0.20	0.67	80	
Bromoform	Q	ng/L 1	0.27	0.91	80	
Bromomethane		ug/L 1	0.87	2.9	ĩ	
		ng/L 1	0.17	GC.U	007	
		-1/0/1 -1/0/1	0.04 A M	- c	001	
Chloroform		10/1 10/1	N2 0	0.0	U8	
Chloromethane	CN	- 1/0/1 1/0/1	0.81	2.0	00	
Dibromochloromethane	QN	uo/L	0.20	0.67	80	
1,2-Dibromo-3-Chloropropane	QN	uq/L 1	0.36	1.2	2	
1,2-Dibromoethane	QN	ug/L 1	0.21	0.71		
Dibromomethane	ND	ug/L 1	0.17	0.55 -		
1,2-Dichlorobenzene	DN	ug/L 1	0.28	0.92	600	
1,3-Dichlorobenzene	ND	ug/L 1	0.28	0.93		
1,4-Dichlorobenzene	ΟN	ug/L 1	0.30	0.99	75	
Dichlorodifluoromethane	ND	ug/L 1	0.59	2.0		
1,1-Dichloroethane	ND	ug/L 1	0.20	0.66		
1,2-Dichloroethane	ND	ug/L 1	0.43	1.4	5	
1,1-Dichloroethene	ND	ug/L 1	0.19	0.63	7	
cis-1,2-Dichloroethene	DN	ug/L 1	0.20	0.66	70	
trans-1,2-Dichloroethene	ND	ug/L 1	0.19	0.64	100	
1,2-Dichloropropane	UN ND	ng/L 1	0.16	0.54	c	
cis-1, 3-Dichloropropene		ng/L 1	0.16	0.53		
trans-1,3-Dichloropropene	QN	ng/L 1	0.24	0.81		
Ethylbenzene	QN	ng/L 1	0.33		200	
Methylene chloride	QN	ng/L 1	0.61	2.0	2 D	-
Naphthalene	Q	ng/L 1	0.66	2.2	007	
Styrene	N N	ug/L 1	0.40	1.3	100	
ortho-Xylene	Q	ng/L 1	0.38	1.3		
Tetrachloroethene	- UN	ng/L 1	0.34	. 1.1	5	
Toluene	QN	ng/L 1	0.29	0.98	1000	
1,1,1-Trichloroethane	Q	ug/L 1	0.11	0.35	200	
1,1,2-Trichloroethane	QN	ng/L 1	0.16	0.52	.C I	
Trichloroethene	. ON	<u>. ng/L 1</u>	0.35	2.1	ĉ	
Trichlorofluoromethane	QN	ng/L 1	0.22	0./5	¢	
Vinyl chloride	CIN .	ng/L 1	0.14	0.4/	7.0001	
meta,para-Xylene		ng/L 1	0.10	2.7	INNN	
MTBE		ng/L 1	- 4-0	4.		
Acetone		ng/E	2 0	44		
Carbon Disultide		ng/L 1	0.17	10.0		
Methyl Ethyl Ketone		ng/L	4.7	о.с ч		
l etranydroruran		ng/L	1.1	0.0		v
	100 %					» w
1 Diverte-up (OUNV)	000%					S
	0/.06	-				2

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water Customer: Marathon County Solid Waste Mgmnt Dept NLS Project: 375696 Project Elescription: Marathon County Area A Private Wells Project: 375696 Project Tlescription: Marathon County Area A Private Wells Project: 11/2 Sample: 1286313F PW68: Collected: 10/27/21 Analyzed: Tf/04/021 MIL VIL Sample: 1286313F PW68: Collected: 10/27/21 Analyzed: Tf/04/021 MIL VIL Sample: 1286313F PW68: Collected: 10/27/21 Analyzed: Tf/04/021 MIL VIL Sample: 1286313F PW68: Collected: 10/27/21 Analyzed: Tf/04/021 MIL VIL Sample: 1286313F PW68: Collected: 10/27/21 Analyzed: Tf/04/021 MIL VIL Sample: 1286313F PW68: Collected: 10/27/21 Analyzed: Tf/04/021 MIL VIL Sample: 1286313F PW68: Collected: 10/27/21 Analyzed: Tf/04/021 MIL VIL Bromorthane ND ND Ug/L Bromorthane ND Ug/L ND Ug/L Chloroberzene ND Ug/L ND Ug/L Chloroberzene ND Ug/L Ug/L Ug/L Chloroberzene ND Ug/L Ug/L Ug/L Dibromorthane <	Jject: 375696 Printed: 11/23/2021 06:58 T UNITS DIL ug/L 1 ug/L 1	LOD LOD 0.25 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	LOQ LOQ 0.84 0.84 0.84 0.84 0.84 0.87 0.85 0.92 0.92 0.92 0.92 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.05 0.04 0.05 0.05 0.04 0.05 0.	MCL 80 80 80 80 80 80 80 80 80 80 80 80 80	Page 6 of 17
AP9 Second Second Seco	1/23/2021 06:58 9/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOD 0.25 0.24 0.17 0.24 0.17 0.28 0.20 0.20 0.20 0.20 0.20 0.20 0.20	LOQ LOQ 0.84 0.67 0.67 1.1 0.67 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	¹ 5 − 25 − 600 − 80 − 80 − 80 − 10	Note
RESULT RESULT ND ND ND ND ND ND ND ND ND ND ND ND ND		LOD 1.025 0.25 0.27 0.28	LOQ LOQ 0.84 0.67 1.1 1.2 0.55 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	MCL 80 80 80 80 80 80 80 5 75 75	Note
IE NAME RESULT e ND bichloromethane ND cithloromethane ND om ND omoethane ND offluoromethane ND		LOD 0.25 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	LOQ 0.84 0.84 0.91 0.67 0.67 0.67 0.71 0.67 0.67 0.67 0.92 0.92 0.92 0.93 0.92 0.93 0.93 0.93 0.93 0.93 0.67 0.67 0.91 0.95 0.95 0.95 0.91 0.92 0.92 0.99 0.92 0.99 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.93 0	MCL 5 80 80 80 80 80 75 75 75	Note
e ichloromethane ND Ichloromethane ND Ichloromethane ND Interchloride ND Interchloride ND Interchloride ND Interchloride ND Interchloride ND Interchane ND I		0.25 0.27 0.27 0.27 0.34 0.34 0.36 0.28 0.28 0.28 0.28 0.28 0.20 0.28 0.20 0.28 0.20 0.20	$\begin{array}{c} 0.84\\ 0.67\\ 0.67\\ 0.55\\ 0.81\\ 0.67\\ 0.66\\ 0.92\\ 0.92\\ 0.92\\ 0.99\\ 0.92\\ 0.99\\ 0.92\\ 0.99\\$	5 80 80 80 80 75 75	
Ichloromethane Ichloromethane Ichloromethane Ichloromethane Ichloromethane Ichrane Ich		0.20 0.27 0.37 0.34 0.34 0.36 0.36 0.28 0.28 0.28 0.28 0.20 0.20 0.20 0.20	$\begin{array}{c} 0.67\\ 0.91\\ 0.91\\ 0.55\\ 0.55\\ 0.81\\ 0.71\\ 0.55\\ 0.92\\ 0.92\\ 0.92\\ 0.99\\$	80 80 80 80 75 75	
orm ethare retracted modellane enzene enzene enzene notedlane offene off	2000	0.27 0.37 0.34 0.34 0.36 0.26 0.26 0.28 0.20 0.20 0.20 0.20 0.20 0.20 0.20	0.91 2.9 0.55 0.55 0.81 1.2 0.82 0.92 0.92 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	80 5 80 80 75 75	
ethane ND Tetrachloride ND Enzene ND onorethane ND offluoronethane ND offluorone		0.87 0.17 0.34 0.34 0.24 0.28 0.28 0.28 0.28 0.20 0.28 0.28 0.28	2.9 0.55 0.55 0.81 0.81 0.67 0.67 0.92 0.92 0.92 0.92 0.93 0.93 0.95 0.95 0.95 0.95 0.95 0.95 0.65 0.65 0.65 0.65 0.65 0.65 0.7 2.0 0.55 0.7 2.0 0.55 0.7 2.0 0.55 0.7 2.0 0.55 0.7 2.0 0.55 0.7 2.0 0.55 0.7 2.0 0.55 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67	5 100 80 600 75 75	
Tetrachloride ND enzene ND enzene ND enzene ND om ND om ND omethane ND omoethane ND omoethane ND omoethane ND omoethane ND omoethane ND onoethane ND onoethane ND olorobenzene ND <td>800 800 800 800 800 800 800 800 800 800</td> <td>0.17 0.34 0.24 0.27 0.28 0.28 0.28 0.28 0.28 0.20 0.20 0.20</td> <td>0.55 1.1 0.81 0.81 0.81 0.67 0.67 0.71 0.71 0.67 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.66 0.66 0.66 0.67 0.667 0.666 0.667 0.667 0.667 0.667 0.666 0.665 0.667 0.667 0.666 0.666 0.665 0.667 0.667 0.667 0.667 0.666 0.666 0.666 0.667 0.667 0.667 0.667 0.666 0.667 0.6777 0.67777 0.67777 0.67777 0.67777 0.677777 0.6777777777777777777777777777777777777</td> <td>5 100 80 80 600 75 75</td> <td></td>	800 800 800 800 800 800 800 800 800 800	0.17 0.34 0.24 0.27 0.28 0.28 0.28 0.28 0.28 0.20 0.20 0.20	0.55 1.1 0.81 0.81 0.81 0.67 0.67 0.71 0.71 0.67 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.66 0.66 0.66 0.67 0.667 0.666 0.667 0.667 0.667 0.667 0.666 0.665 0.667 0.667 0.666 0.666 0.665 0.667 0.667 0.667 0.667 0.666 0.666 0.666 0.667 0.667 0.667 0.667 0.666 0.667 0.6777 0.67777 0.67777 0.67777 0.67777 0.677777 0.6777777777777777777777777777777777777	5 100 80 80 600 75 75	
enzene ND enzene ND mm mm ethane ND nethane ND omo-3-Chloropropane ND omo-3-Chloropropane ND omoethane ND notobenzene ND notopropene ND ND ND ND ND ND ND ND ND ND ND ND ND N	997 997 997 997 997 997 997 997 997 997	0.34 1.5 0.24 0.28 0.28 0.28 0.28 0.20 0.28 0.28 0.20 0.28 0.28	1.1 0.81 0.81 0.87 0.67 0.67 0.67 0.92 0.92 0.93 0.93 0.92 0.92 0.92 0.92 0.66 0.66 0.66 0.67 0.67 0.7 0.67 0.7 0.667 0.666 0.666 0.666 0.667 0.667 0.667 0.667 0.666 0.	100 80 600 75 75	
thane burn and thane Chloronethane ND Chloronethane Como-3-Chloropropane ND ND ND ND ND ND ND ND ND ND	90 90 90 90 90 90 90 90 90 90 90 90 90 9	0.24 0.24 0.24 0.21 0.28 0.28 0.28 0.28 0.28 0.20 0.20 0.20	5.0 0.81 0.81 0.67 1.2 0.55 0.99 0.92 0.92 0.93 0.95 0.95 0.95 0.65 0.65	80 80 600 75	
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Definition Internet ND Definition ND ND Definition ND ND Ome-3-Chloropropane ND ND Ome-3-Chloropropane ND ND Ome-1-Relation ND ND Introbenzene ND ND Introperthene ND <td>9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1</td> <td>0.81 0.20 0.20 0.28 0.28 0.28 0.28 0.28 0.28</td> <td>2.7 0.67 0.55 0.93 0.99 0.99 0.66 0.99 0.66 0.66 0.65 0.65 0.65 0.65 0.65 0.65</td> <td>80 600 5 75</td> <td></td>	9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1	0.81 0.20 0.20 0.28 0.28 0.28 0.28 0.28 0.28	2.7 0.67 0.55 0.93 0.99 0.99 0.66 0.99 0.66 0.66 0.65 0.65 0.65 0.65 0.65 0.65	80 600 5 75	
ochloromethane omo-3-Chloropropane omo-3-Chloropropane ND Omotehrane Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Ilorobenzene Iloropethene Iloropethene Iloropethene Iloropethene Iloropethene Iloropethene Iloroperopen	9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1	0.20 0.28 0.28 0.28 0.28 0.20 0.20 0.43	0.67 1.2 0.71 0.92 0.99 0.99 0.66 0.66 0.66 0.65 0.65 0.65	80 600 15 75	
omoestrane ND omoestrane ND omoestrane ND onoestrane ND onoestrane ND offorbenzene ND	9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1 9/1	0.36 0.21 0.28 0.28 0.28 0.28 0.20 0.20 0.43	1.2 0.71 0.92 0.99 0.99 0.66 0.66 0.65 0.65	600 5 5	
omoethane Dimethane Incrobenzene Incrobenzene Incrobenzene Incrobenzene Incrobenzene Incrobenzene Incrobenzene Incroethane Inc	90 90 90 90 90 90 90 90 90 90 90 90 90 9	0.21 0.17 0.28 0.30 0.59 0.43 0.43	0.71 0.55 0.92 0.99 0.99 1.4 1.4 1.4 0.65	600 75 5	
Directinate Incrobenzene Incrobenzene Incrobenzene Incrobenzene ND ND ND ND ND ND ND ND ND ND	9/ 9/ 9/ 9/ 9/ 9/	0.17 0.28 0.30 0.59 0.43 0.43	0.35 0.92 0.99 0.66 1.4 1.4 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.63	600 75 5	
lorobenzene nlorobenzene nlorobenzene nlorobenzene nlorobenzene nloroethane ND ND ND ND ND ND ND ND ND ND ND ND ND	9/L 9/L 9/L 9/L 9/L 9/L	0.28 0.28 0.59 0.43 0.43	0.92 0.99 0.66 1.4 1.4 1.4	600 75 15	
lorobenzene ND difluoromethane ND ND nloroethane ND ND ND ND ND ND ND ND ND ND ND ND ND	01	0.28 0.30 0.59 0.43 0.43	0.93 0.99 0.66 1.4 0.65 0.63	75	
lorobenzene bolituoromethane iloroethane iloroethene Dichloroethene 2-Dichloroethene Dichloroeth	9/L	0.30 0.59 0.43 0.43	0.99 2.0 1.4 0.63 2.0 2.0 2.63	75 5	
diffuoromethane ND Increathane ND Increate	g/L 1 g/L 1 g/L 1	0.59 0.20 0.43	2.0 0.66 0.63 0.63	ן <u>ט</u> י	
lioroethane ND Increthane ND Increthane ND Increthane ND Increthene ND Dichloroethene ND Dichloroethene ND Dichloroethene ND Increthene ND Increthene ND Dichloropropene Dichloropropene ND Dichloropropene ND Dichloropropene	9/L 1 9/L 1 8/L	0.20 0.43 0.19	0.66	2	
lioroethane ND lioroethene ND Dichloroethene ND 2-Dichloroethene ND lioropropane ND 3-Dichloropropene ND 7zene ND race ND race ND race ND race ND ND	<u>9/L</u> 1	0.43	0.63	ı م	
Idroethene Dichloroethene 2-Dichloroethene Joropropane Dichloropropene 3-Dichloropropene ND Teche ND ND ND ND ND ND ND ND ND ND ND ND ND	g/L 1		0.63		
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2-Dichloroethene loropropane Dichloropropane 3-Dichloropropene ND nzene nzene ND nzene ND ND ND ND ND ND ND ND ND ND ND ND ND	g/L 1	0.20	U.DQ	20	
lidropropane Dichloropropene 3-Dichloropropene NZene ND nzene ND ND ND ND ND ND ND ND ND ND ND ND	3/L 1	0.19	0.64	100	-
Jichloropropene ND 3-Dichloropropene ND Tzene ND nace chloride ND Hene ND	<u> </u>	0.10	40.0	0	
Uichloropropene Tzene ne chloride ND ND ND ND ND ND ND ND ND ND ND	g/L 1		0.02		
nzene ne chloride ND ND ND		0.22	10.0	002	
ne chloride ilene ND ND	<u> 7/1-</u>	0.00		200	-
		0.01	0.7	0	
	<u>4/L</u> 1	00.0	4.4	100	
		86.0	5 ¢	00	
	<u></u>	0.20	- - - -	L.	
	-//-	6C U	0.98	1000	
1 01 100 NO 100		0.11	0.35	200	
QN		0.16	0.52	2	
QN	a/L 1	0.35	1.2	5	
ethane	1 <u>1</u>	0.22	0.75		
QN	3/L 1	0.14	0.47	2	
ene ND	3/L 1	0.70	2.3	10000	
ON .	J/L 1	0.41	1.4		
	<u>3/L</u> 1	13	44		
Disulfide ND	J/L 1	0.17	0.57		
DNe ND	J/L 1	2.7	9.0		
	J/L 1	1.7	5.5		
Dibromofluoromethane (SURR) 99%					S
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Project Title: October 2021 1	Project Title: October 2021 Template: APP3 Print	Ga: TILIZSIZI	Printed: 11/23/2021 06:58				-
Sample 1286318 PW19 Collected 10/27/21 Analyzed 11/04/21 Analy	4/211 - Analytes: 43						
ANALYTE NAME	RESULT	UNITS	DIL	ГOD	LOQ	MCL	Note
Benzene	DN	ng/L	۲-	0.25	0.84	2	
Bromodichloromethane	QN	ng/L	۳.	0.20	0.67	80	
Bromoform	DN	ug/L	1	0.27	0.91	80	
Bromomethane	QN	ug/L	.	0.87	2.9		
Carbon Tetrachloride	GN .	ng/L	1	0.17	0.55	ъ	
Chlorobenzene	DN	ng/L	Ļ	0.34	1,1	100	
Chloroethane	DN	ng/L	۲	1.5	5.0		
Chloroform	QN	ug/L	₹	0.24	0.81	80	
Chloromethane	QN	ng/L	~	0.81	2.7		
Dibromochloromethane	DN	ng/L	-	0.20	0.67	80	
1,2-Dibromo-3-Chloropropane	QN	ng/L	-	0.36	1.2		
1,2-Dibromoethane	QN	ng/L	1	0.21	0.71		
Dibromométhane	ND	ug/L		0.17	0,55		
1,2-Dichlorobenzene	QN	ng/L	1	0.28	0.92	600	
,3-Dichlorobenzene	ND.	ug/L		0.28	0.93		
1,4-Dichlorobenzene	DN and DN	ug/L	₩	0.30	0.99	75	
Dichlorodifluoromethane	ND	ng/L	←	0.59	2.0		
,1-Dichloroethane	DN	ng/L		0.20	0.66		
1,2-Dichloroethane	ND	ug/L	۲	0.43	1.4	5	
1,1-Dichloroethene	ND	ug/L	←	0.19	0.63	- 2	
cis-1,2-Dichloroethene	QN	ng/L	~	0.20	0.66	70	
trans-1,2-Dichloroethene	QN	ug/L	~	0.19	0.64	100	
1,2-Dichloropropane	UN III	ng/L		0.16	0.54	5	
cis-1, 3-Dichloropropene	NN	ng/L	-	0.10	0.03		
trans-1,3-Dichloropropene		ng/L	-	0.24	0.81	V02-	
Ethylbenzene	NN N	ng/L	-	0,53	- 0	/00	
Methylene chioride		<u>1/6n</u>		10.0		0	
Naphthalene		- ng/L		00.0	13	100	
otytette ortho Yulana		110/1		0.38	1.0	22-	
utto-Aytette Tatrachlornathana	CN	110/1		0.34	11	5	
	CIN	na/l	-	0.29	0.98	1000	
11-Trichloroethane	QN	na/L	~	0.11	0.35	200	
1.1.2-Trichloroethane	QN	ng/L	~	0.16	0.52	ъ.	
Trichloroethene	QN	ug/L	۲	0.35	1.2	5	
Trichlorofluoromethane	ŊŊ	ng/L	~	0.22	0.75		
Vinyl chloride	Ŋ	ng/L		0.14	0.47		the second second second second second second second second second second second second second second second s
meta, para-Xylene	QN	ug/L		0.70	2.3	1000	
MTBE	QN	ng/L		0.41	1.4		
Acetone	ON.	ng/L	_	13	. 44		-
Carbon Disulfide		ug/L	-	1.17	0.0		
Methyl Ethyl Ketone		1/0/L		4.7	а.с 7 7		
letranyaroturan	7000	ngrr	- ~		0.0		v
Uibromotiuorometnane (SUKK)	90% 0E0/						n v
	90.09		-				
	7060						U

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water							Page 8 of 17
Customer: Marathon County Solid Waste Mgmnt Dept	NLS Project: 375696	375696					
Project Description: Maratnon County Area A Private Weils Project Title: October 2021 Template:	APP3	Printed: 11/23/2021 06:58	121 06:58				
Sample: 1286319 PW64 Collected: 10/27/21 Analyzed: 11/04/21 Maiytes: 43	ytes: 43						
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	QN	ug/L	1	0.25	0.84	5	
Bromodichloromethane	DN	ng/L	÷	0.20	0.67	80	
Bromoform	QN	ng/L	~	0.27	0.91	80	
Bromomethane	DN	ng/L	~	0.87	2.9		
Carbon Tetrachloride	QN	ng/L	~ -	0.17	0.55	5	
Chlorobenzene	QN	ug/L	~-	0.34	1.1	100	
Chloroethane	QN	ùg/L		1.5	5.0		
Chlorotorm	QN	ng/L	~	0.24	0.81	80	
Chloromethane		ng/L	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.81	2.7		-
Dibromochloromethane	ND	ug/L	~	0.20	0.67	80	
1,2-Dibromo-3-Chloropropane	Q	ug/L	·	0.36	1.2		
1,2-Dibromoethane	QN	ug/L	~ -	0.21	0.71		
Ulbromomethane	ND	ng/L		0.17	0.55		
1,2-Dichlorobenzene	DN	ng/L	T	0.28	0.92	600	
1,3-Dichlorobenzene	DN	ug/L	~	0.28	0.93		
1,4-Dichlorobenzene	QN	ng/L	~ - -	0.30	0.99	75	-
Dichlorodifiuoromethane	UN.	ng/L	~	0.59	2.0		
1,1-Dichloroethane	QN	ng/L		0.20	0.66		
1,2-Dichloroethane	ON .	ng/L		0.43	1.4	ı در	
1,1-Dichloroethene		ug/L		0.19	0.63	/	
cis-1,2-Dichloroethene	ON C	ug/L	- `	0.20	0.66	0/	
trans-1, 2-Dichloroethene		ng/L		0.19	0.04	100	
1, Z-Dichloropropane		ug/L		0.10	0.04	0	
		ug/L		0.10	10.0		
trans-1,3-Ulchloropropene		ug/L		0.24	0.01	002	-
		ug/E.		0.00		007	
		ug/L		0.01	0.2	D	
Naphthalene		ng/L		0.00	7.2	100	
Otytelie outo Vilono		ug/L		0000	- r ; c	001	
Ortro-Aylerte Totrochloroothene		ug/F		0.30	 . +	ſ	
	CIN	10/1		0.29	0.98	1000	
1 1 1-Trichloroethane	QN	ua/L		0.11	0.35	200	
1.1.2-Trichloroethane	QN	ng/L	L	0.16	0.52	- 5	
Trichloroethene	QN	ng/L		0.35	1.2	ъ	
Trichlorofluoromethane	QN .	ng/L	-	0.22	0.75		-
Vinyl chloride	QN	ug/L	-	0.14	0.47	.2	
meta,para-Xylene	QN	- ng/L	~	0.70	2.3	10000	
MTBE	QN	ng/L	~	0.41	1.4		-
Acetone	DN	ug/L	-	13	44		
Carbon Disulfide	QN	ng/L	~	0.17	0.57		
Methyl Ethyl Ketone	QN	ùg/L	,	2.7	0.6		
Tetrahydrofuran	QN	ng/L		1.7	5.5		
Dibromofluoromethane (SURR)	99% 66%						ົ້
Toluene-d8 (SURR)	90%						000
1-Bromo-4-Fluorobenzene (SUKK)	. 93%		_				0
NOTES APPLICABLE TO THIS ANALYSIS:	41- od						

Product Use Transmont Combo Mark APP3 Printed: APP3 </th <th>ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water Customer: Marathon County Solid Waste Mgmnt Dept</th> <th>Water t Dept NLS Project: 375696</th> <th>375696</th> <th></th> <th></th> <th></th> <th></th> <th>Page 9 of 17</th>	ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water Customer: Marathon County Solid Waste Mgmnt Dept	Water t Dept NLS Project: 375696	375696					Page 9 of 17
RESULT UNITS DIL LOD LOQ MCL ND ug/L 1 0.25 0.64 5 ND ug/L 1 0.27 0.67 80 ND ug/L 1 0.29 0.67 80 ND ug/L 1 0.21 0.7 90 ND ug/L 1 0.23 0.67 80 ND ug/L 1 0.23 0.67 90 ND ug/L 1 0.24 0.7 90 ND	Project Description: Marathon County Area A P Project Title: October 2021	APP3	ted: 11/23/202	1 06:58				
RESULT UNIS DIL DO MO	Sample: 1286320 PW27 Ollected: 10/27/21 PAnalyzed: 11/	/04/21 - Analytes: 43				のためのないの思想である		
ND Ug/L 1 0.25 0.84 5 ND Ug/L 1 0.27 0.91 5 ND Ug/L 1 0.28 0.95 60 ND Ug/L 1 0.28 0.71 100 ND Ug/L 1 0.28 0.95 60 ND Ug/L 1 0.29 0.95 60 ND Ug/L 1 0.28 0.95 60 ND Ug/L 1 0.29 0.95 60 ND Ug/L 1 0.23 0.95 60 ND	ANALYTE NAME	RESULT	UNITS	סוך	Гор	LOQ	MCL	Note
ND Ugl. Ugl. 1 0.20 Ugl. 0.20 Ugl. 0.67 Ugl. 60 Ugl. ND Ugl. 1 0.23 0.67 Ugl. 60 Ugl. 1 0.23 0.67 Ugl. 60 Ugl. 1 0.20 Ugl. 0.71 Ugl. 0.71 Ugl. 0.72 Ugl. 60 Ugl. 1 0.72 Ugl. 60 Ugl. 0.71 Ugl. 0.7	Benzene	ON .	ug/L	~	0.25	0.84	S	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromodichloromethane	Q	ug/L		0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromoform	QN	ng/L	.	0.27	0.91	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromomethane		ng/L		0.87	2.9	L	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Carbon retrachioride		ng/L		0.34	CC:D	001	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroethane		יומ/ו		т. С.С.		100	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroform	CN	ind/i		0.74	0.0	80 NR	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloromethane	DN	ua/L		0.81	2.7	000	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromochloromethane	<u>DN</u>	ng/L	-	0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromo-3-Chloropropane	DN	ng/L	-	0.36	1.2		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromoethane	DN	ng/L	1	0.21	0.71		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromomethane	QN	ng/L	~	0.17	0.55		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dichlorobenzene	ND	ng/L	-	0.28	0.92	600	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,3-Dichlorobenzene	ND	ng/L	-	0.28	0.93		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,4-Dichlorobenzene	ND	ng/L	*	0.30	0.99	75	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Dichlorodifluoromethane	DN	ng/L	1	0.59	2.0		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,1-Dichloroethane	ND: S	ng/L	-	0.20	0.66		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dichloroethane	ND	ug/L	~	0.43	1.4	5	
ND ug/L 1 0.20 0.66 70 ND ug/L 1 0.19 0.64 100 ND ug/L 1 0.19 0.64 100 ND ug/L 1 0.16 0.53 5 ND ug/L 1 0.16 0.53 5 ND ug/L 1 0.31 1.1 700 ND ug/L 1 0.33 1.1 700 ND ug/L 1 0.34 1.1 5 ND ug/L 1 0.34 1.1 5 ND ug/L 1 0.35 100 100 ND ug/L 1 0.35 100 100 ND ug/L 1 0.35 100 12 100 ND ug/L 1 0.35 1.1 5 5 100 ND ug/L 1 0.35 1.2	1,1-Dichloroethene	ΟN	ng/L		0.19	0.63	7	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	cis-1,2-Dichloroethene	Q	ng/L	~	0.20	0.66	70	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	trans-1,2-Dichloroethene	NN	ng/L		0.19	0.64	100	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,2-Dichloropropane		ug/L		0.16	0.54	Q	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	cis-1,3-Dichloropropene		ng/L	-	0.10	0.03		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	trans-1, 3-Dicnioropropene		ng/L	-	0.24	0.0	001	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Ethylbenzene		ng/L		0.33		/ 00	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Methylene chloride		ng/L	7	0.01	0.7	0	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Naphthalene		ng/L		0.00	7.7	100	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Styrene		ug/L	- ~	0.40	<u>,</u>	001	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Ortno-Xylene		ug/L		0.30	- - - -	ц	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Telrane	CN	49/F		0.29	0.98	1000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 1-Trichlornethane	QN	ng/L		0.11	0.35	200	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.1.2-Trichloroethane	QN	ng/L	+	0.16	0.52	5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Trichloroethene	DN	ug/L	1	0.35	1.2	S	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Trichlorofluoromethane	QN	ug/L	-	0.22	0.75		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Vinyl chloride	QN	ng/L		0.14	0.47	.2	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	meta, para-Xylene	QN	ng/L	-	0.70	2.3	10000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	MTBE	QN	ug/L	~	0.41	1.4		
ND ug/L 1 0.1/ 0.5/ ND ug/L 1 2.7 9.0 101% 1 1.7 5.5 100% 1 92% 1	Acetone	QN	ng/L		13	44		
ND ug/L 1 2.7 3.0 ND ug/L 1 1.7 5.5 100% 1 100% 1 92% 1	Carbon Disulfide	QN	ng/L		0.1/	/9.0		
ND ug/L 1 1.7 3.3 101% 1 1.7 3.3 92% 1	Methyl Ethyl Ketone	ON.	ng/L		2.1	0 L		
101% 1 100% 1 92% 1	Tetrahydrofuran		ug/L		1./	0.0		v
92% 1	Dibromofluoromethane (SURR)	101%						00
92% 92%	Toluene-d8 (SURR)	%nnl.						00
	1-Bromo-4-Fluorobenzene (SURR)	97%		_				0
	A Tribut and the second sec	hodtom a to total						

TICAL RESULTS: VOC's by P&T/GGMS - Water ner: Marathon County Solid Waste Mgmnt Dept NLS Pro t Description: Marathon County Area A Private Wells t Title: October 2021 Template: AP3 Title: October 2021 Template: AP3 Title: October 2021 Maratyzed Th/04/21 Analytes 43 Title: October 2021 Maratyzed Th/04/21 Analytes 43 Title: October 2021 Marathon County Area A Private Wells Tetrachoride ND Chloromethane ND Chlorom	ject: 375696 Printed: 11/23/2021 06:58 _T UNITS Dit ug/L 1 ug/L 1	Dit. LOD 7 1 0.25 1 0.20 1 1 0.27 1 1 0.27 1 1 0.27 1 1 0.27 1 1 0.27 1 1 0.27 1 1 0.27 1 1 0.27 1 1 0.27 1 1 0.27 1 1 0.23 1 1 0.28 1 1 0.28 1 1 0.24 1 1 0.26 1 1 0.28 1 1 0.28 1 1 0.24 1 1 0.43 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	MCL MCL 5 80 80 80 80 80 80 80 80 5 75	Page 10 of 17
APP3 APP3 SS 433 APP3 APP3 APP3 APP3 APP3 APP3 APP3	:t: 375696 nted: 11/23/2021 ug/L			MCL MCL 5 80 80 80 80 80 80 5 75 75	Note the second se
APP3 APP3 APP3 APP3 APP3 APP3 APP3 APP3	nted: 11/23/2021 UNITS UNITS UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			MCL MCL 80 80 80 80 80 80 75 75	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	UNITS UNITS UG/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug			MCL MCL 80 80 80 80 80 80 80 75 75	Note
Reverse and a second and a second a s	UNITS UNITS UNITS UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			MCL 5 80 80 80 80 80 80 75 75	Note the second se
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n			5 80 80 80 80 80 80 75 75	
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		80 80 80 80 80 80 80 75 75	
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		80 5 100 80 80 80 75 75	
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n	0.17 0.17 0.17 0.17 0.19 0.19 0.19 0.17 0.19 0.19 0.19 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.17		5 100 80 80 80 75 75	
	1/6n 7/6n 7/6n 7/6n 7/6n 7/6n 7/6n 7/6n 7	0.11 0.25 0.20 0.20 0.20 0.20 0.12 0.12 0.12 0.12		5 100 80 80 600 75 75	
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		100 80 80 600 75 75	
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		80 80 600 5 75	
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20		80 80 5 75 75	
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n 1/6n	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20		80 600 75 7	
	1/6n n6// 1/6n 1/6n 1/6n 1/6n 1/6n	0.11 0.20 0.20 0.20 0.43 0.43 0.43 0.43 0.43 0.19 0.43 0.19 0.19 0.19		80 600 75 - 7	
	1/6n 7/6n 7/6n 7/6n 7/6n 7/6n 7/6n	0.11 0.12 0.12 0.12 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13		600 75 7	
	1/6n 7/6n 7/6n 7/6n 7/6n 7/6n	0.11 0.12 0.12 0.12 0.13 0.13 0.13 0.13 0.13 0.13 0.13		600 75 7	
	1/6n 1/6n 1/6n 1/6n 1/6n 1/6n	1 0.17 0.28 1 0.28 1 0.29 1 0.43 0.19 0.19		600 75 5	
	1/6n 1/6n 1/6n 1/6n 1/6n	1 0.28 0.28 0.29 0.29 0.43 0.43 0.19		600 75 7	
	1/6n 7/6n 7/6n 7/6n 7/6n	1 0.28 1 0.36 1 0.59 1 0.43 1 0.43 1 0.43		75 5 	
	1/6n 1/6n 1/6n 1/6n 1/6n	1 0.30 0.59 1 0.43 0.43 0.19		75 75	
	лд/Г лд/г лд/г лд/г	1 0.59 1 0.20 1 0.43 0.19		ן א מ	
	ug/L ug/L ug/L	1 0.20 1 0.43 0.19		2	-
	ng/L ug/L ug/L	1 0.43		5	
	ug/L ug/L	1 0.19		7	
	ug/L ug/L			1	
	ug/L	1 0.20		/0	
		1 0.19		100	
	ng/L	1 0.16		5	
	ng/L	1 0.16			
ND ND ND ND ND ND ND ND ND ND ND ND ND N	ng/L	1 0.24			
ND ND ND ND ND ND ND ND	ug/L	1 0.33		700	
ND ND ND ND ND	ng/L	1 0.61		5	
ND ND ND	ng/L	1 0.66			
nd Thene ND	ug/L	1 0.40		100	
<u>GN</u>	ng/L	1 0.38			
	ng/L	1 0.34		5	
Q	ng/L	1 0.29		1000	
CN .	ng/L	1 0.11		200	
thane ND	ng/L	1 0.16		0 u	
	ng/L	1.30		C	
Dmernane	ug/L 110/]	1410		6 .	
	10/l	· · · · · · · · · · · · · · · · · · ·		10000	
	110/	1 0 41			
	110/1	1 13			
CIN	10/1	1 0 17			
-	1/0/1	1 27	0.6		
	na/L	1	5.5		
ethane (SLIRR) 95%					S
		1			S
anzene (SLIRR)					S
141 VOIC.					

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water		·**					Page 11 of 17
Customer: Marathon County Solid Waste Mgmnt Dept	NLS Project: 375696	375696					
Project Description: Marathon County Area A Private Weils Project Title: October 2021 Project Title: October 2021	APP3	Printed: 11/23/2021 06:58	21 06:58		• .		
Sample: 1286322 PW100_Collected 10/27/21 Analyzed: 31/04/21 Analy	Analytes: 43						
ANALYTE NAME	RESULT	UNITS	DIL	ГОД	LOQ	MCL	Note
Benzene	QN	ng/L	1	0.25	0.84	5	
Bromodichloromethane	QN	ug/L	ج	0.20	0.67	80	
Bromoform	QN	ng/L	~	0.27	0.91	80	
Bromomethane	2	ng/L	~	0.87	2.9	1	
Carbon letrachloride		ng/L	ç ,	0.17	0.55	5	
Chlorobenzene		ng/L		0.34	1.1	100	
Chloroethane	ON ON	T/Bn	~ ~	1.5	5.0	00	
Chlorotorm.		ng/L	- -	0.24	0.81	ВU	
Uniorometriane		<u>ug/L</u>		10.00	2.1	00	
	NO	ug/t	-	0.20	0.07	βÜ	
1, Z-UIDFORMO-3-UNIOFOPDARIE		ng/L		0.00	1.2		
Dihramomethshe	ND ND	49/L		0.47	0.55		-
	ND	1/01	• •	0.0	0.00	END	
1.2-010.11010061126116	ON ON	100	- +	0000	72.0	000	
1.3-Dichlarchenzene				0.20	0.00	76	
1,4-DIGIIQIODEIIZEIIE		- ng/F	-	0.50	0.33	0.7	
		1/01	- -	0.03	0.2 0		-
1, I-Dickloudetrialie		-10h		0.4.0	00.0	Ľ	
1,2-Dichloroethane		1/0/1	- ~	010	063	2	
ris-1 2-Dichlornothana	ND	1/01		0.20	0.66	70	
trans-1,2-Dichloroethene	QN	ua/L		0.19	0.64	100	
1 2-Dichloronzonane	Q	ua/L	~	0.16	0.54	5	
cis-1.3-Dichloropropene	QN	na/L	-	0.16	0.53		
trans-1.3-Dichloropropene	QN	ng/L	~	0.24	0.81		
Ethvibenzene	DN	ng/L	-	0.33	1.1	700	
Methylene chloride	DN	ng/L	-	0.61	2.0	5	
Naphthalene	DN	ng/L	1	0.66	2.2		
Styrene	DN .	ng/L	۲.	0.40	1.3	100	
ortho-Xylene	QN	ug/L	~	0.38	1.3		
Tetrachloroethene	QN	ng/L		0.34		5	
Toluene	QN	ng/L	ç ,	0.29	0.98	1000	
1,1,1-Trichloroethane		ug/L		0.11	0.35	200	
1,1,2-Trichloroethane		ug/L	-	0.10	70.0	о ч	
1 richloroethene		ug/L		0.22	0.75		
	CIN	1/01		0.14	0.1.0	6	
VIIIYI CIIIOIIde moto horro Vulone	CIN CIN	1/0/1		0.70	23	10000	
IIIeta,pala-Ayterie MTDE	D N	1/0/1		0.41	4.1	2222	
W.I.DE Acetopa	[16]	110/1	-	13	44		
Proceedie Parhon Disulfida	GN	ud/L		0.17	0.57		
Methyl Ethyl Ketone	QN	ng/L	-	2.7	9.0		
Tetrahvdrofuran	QN	. T/bn	1	1.7	5.5		
Dibromofluoromethane (SURR)	97%		+				S
Toluene-d8 (SURR)	100%		.				S
1-Bromo-4-Fluorobenzene (SURR)	100%		~				S
NOTES APPLICABLE TO THIS ANALYSIS:							
J = Result enclosed in brackets is between LOD and LOQ. a region of less certain quantitation.	certain quantitation.						:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation. S = This compound is a surrogate used to evaluate the quality control of a method.

Project Title: October 2021	Project Description:Marathon County Area A Private Wells Project Title: October 2021	Printed: 11/23/2021 06:58	06:58				 <u>.</u> .
Sample: 1286323 PW80 Collected: 10/27/21 Analyzed: 11/04/21- Analyt	d: 11/04/21- Analytes: 43						
ANALYTE NAME	RESULT	UNITS	סור	- doj	LOQ	MCL	Note
Benzene	DN	ug/L	1	0.25	0.84	S	
Bromodichloromethane	ΩN	ng/L	-	0.20	0.67	80	
Bromoform	QN	ng/L	~ -	0.27	0.91	80	
Bromomethane	QN	ug/L	~	0.87	2.9		
Carbon Tetrachloride	Q	ug/L	~	0.17	0:55	ۍ ۲	
Chlorobenzene	QN	ng/L		0.34		100	
Chloroethane	QN	ug/L		1.5	5.0		
Chloroform	QN	ng/L	***	0.24	0.81	80	
Chloromethane	QN	ug/L	T ¹	0.81	2.7		
Dibromochloromethane	QN	ug/L.	~	0.20	0.67	80	
1,2-Dibromo-3-Chloropropane		ug/L	·	0.36	1.2		
1,2-Dibromoethane	CIN	ug/L	4 -12	0.21	0.71		
Dibromomethane	ND	ng/L	-	0.17	0.55		
1,2-Dichlorobenzene	QN	ng/L	~	0.28	0.92	. 600	
1,3-Dichlorobenzene	ŇD	ug/L	~	0.28	0.93		
1,4-Dichlorobenzene	QN	ug/L		0.30	0.99	75	
Dichlorodifluoromethane	ND	ug/L	ç	0.59	2.0		
1,1-Dichloroethane	QN	ug/L	-	0.20	0.66		-
1,2-Dichloroethane	ND	ug/L	-	0.43	1.4	5	
1,1-Dichloroethene	ND	ng/L	·	0.19	0.63	7	
cis-1,2-Dichloroethene	ND	ug/L	4 .~	0.20	0.66	70	
trans-1,2-Dichloroethene		ng/L	.	0.19	0.64	100	
1,2-Dichloropropane	CIN	ng/L	e	0.16	0.54	5	
cis-1,3-Dichloropropene	QN	ng/L	~	0.16	0.53		-
trans-1,3-Dichloropropene		ug/L	₹'	0.24	0.81		
Ethylbenzene	ON	ug/L		0.33	1.1	200	
Methylene chloride	QN	ng/L		0.61	2.0	5	
Naphthalene	QN	ug/L	•	0.66	2.2		
Styrene	Q	ug/L	~	0.40	1.3	100	
ortho-Xylene	QN	ng/L		0.38	1.3		
Tetrachloroethene	Q	ng/L		0.34	₹-• ₹-*	5	
Toluene	2	ng/L	-	0.29	0.98	1000	
1,1,1-Trichloroethane	QN	ng/L		0.11	0.35	200	
,1,2-Trichloroethane	ON.	ng/L		0.16	20:0	- C -	
I richloroethene	CIN .	ng/L		0.35	1.2	n	
l richlorotiuoromethane		ng/L		0.42	0.73	c	
Vinyl chloride		ng/L	- -	0.14	0.47	7.0001	
meta, para-Aylene		ug/L		0.10	, r	00001	
IVI BE		uu/L 1/1		1.1-1-	+		
Auelule Carbon Distrieda		19/1		0.17	0.57		
		1/0/1	- -	0.1	00		
weury Eury Netorie Tetrebudrofinee		ug/L II0/I		17	55		1
Dihromofluoromethane (SLIRR)	95%	1					S
Toluene-d8 (SURR)	110%						S
1-Bromo-4-Fluorobenzene (SURR)	86%		-			-	S

Current Inverse Number in the second of any second water Media Number in the second of any second water Media Current Inverse Market Interaction County Scial Water Media Template: APP3 at Transport Transport Interaction County Area A Private Media Project Table: Obter 2023 Sammer 1283287 Project: 37686 Market Media Sammer 1283287 Project Table: Obter 2021 Template: APP3 at Transport Interaction County Area A Private Media Sammer 1283287 Project Table: Obter 2021 Template: APP3 at Transport Market Media Sammer 1283287 Project Table: Obter 2021 Template: APP3 at Transport Market Media Sammer 1283287 Project Table: Obter 2021 Template: APP3 at Transport Market Media Sammer 1283287 Project Table: Obter 2021 Market Media Market Media Sammer 1283287 Project Table: Obter 2021 Market Media Market Media Sammer 1283287 Project Table: Obter 2021 Market Media Market Media Sammer 1283287 Project Table: Obter 2021 Market Media Market Media Sammer 1283387 Project Table: Obter 2021 Market Media Market Media Sammer 2021 Market Media Market Media Market Media Sammor 2021 Market Media	rage 13 01 11
APP3 Printed: 11/23/2021 06:58 RESULT UNITS DIL LOD LOD RESULT UNITS DIL LOD LOD ND ug/L 1 0.25 0.84 ND ug/L 1 0.26 0.84 ND ug/L 1 0.26 0.84 ND ug/L 1 0.34 1.1 ND ug/L 1 0.26 0.81 ND ug/L 1 0.26 0.81 ND ug/L 1 0.32 0.95 ND ug/L 1 0.26 0.81 ND ug/L 1 0.36 0.95 ND ug/L 1 0.36 0.95 ND ug/L 1 0.36	
RESULT Dir LOD LOD <thlod< th=""> <thlod< t<="" th=""><th></th></thlod<></thlod<>	
REBULT UNIS DIL LOD LOD LOD NO Ug/L 1 0.27 0.64 NO Ug/L 1 0.27 0.67 NO Ug/L 1 0.77 0.67 NO Ug/L 1 0.74 0.74 NO	
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ND ug/L 1 0.20 0.67 ND ug/L 1 0.21 0.67 ND ug/L 1 0.27 0.67 ND ug/L 1 0.29 0.51 ND ug/L 1 0.20 0.57 ND ug/L 1 0.43 1.4 ND ug/L 1 0.43 1.1 ND ug/L <td< td=""><td>5</td></td<>	5
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	80
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	600
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	75
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$\begin{array}{c ccccc} ND & ug/L & 1 & 0.22 & 0.75 \\ ND & ug/L & 1 & 0.14 & 0.47 \\ ND & ug/L & 1 & 0.70 & 2.3 \\ ND & ug/L & 1 & 0.71 & 1.4 \\ 13 & 44 & 1.4 & 0.47 & 0.57 & 0.57 \\ ND & ug/L & 1 & 0.17 & 0.57 & 0.57 & 0.07 & 0.55 & 0.57 & 0.55 & 0.57 & $	5
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$\begin{bmatrix} 41] & ug/L & 1 & 13 \\ ND & ug/L & 1 & 0.17 \\ ND & ug/L & 1 & 2.7 \\ ND & ug/L & 1 & 1.7 \\ 114\% & 1 & 1 \end{bmatrix}$	
ND ug/L 1 0.17 ND ug/L 1 2.7 ND ug/L 1 1.7 114% 1 1 1	
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NLS Project: 375696 NLS Project: 375696 Second Second Se	ANALT HOAL REGULTS. YOUS BY RAIDOUND - WAR							Page 14 of 17
States Printed: 11/23/2021 06:58 States Dirt Lon Dop Lon Dop No ug/L 1 0.25 0.34 6 No ug/L 1 0.35 1 1 1 No ug/L 1 0.35 1 1 1 1 No ug/L 1 0.35 1 1 1 1 1 No ug/L 1 0.33 1 1 1 1 No ug/L 1 0.34	Customer: Marathon County Solid Waste Mgmnt Dept	NLS Project: 3	375696					
RESULT UNITS DIL LOD MCL ND ug/L 1 0.25 0.84 5 ND ug/L 1 0.25 0.84 5 ND ug/L 1 0.25 0.87 5.9 80 ND ug/L 1 0.27 0.91 80 80 ND ug/L 1 0.24 0.87 5.9 80 ND ug/L 1 0.24 0.87 5.9 80 ND ug/L 1 0.24 0.87 0.91 80 ND ug/L 1 0.24 0.87 0.91 80 ND ug/L 1 0.26 0.87 90 90 ND ug/L 1 0.26 0.83 7 90 ND ug/L 1 0.26 0.83 7 90 ND ug/L 1 0.26 0.83 7 90<	Project Description: Marathon County Area A Private Wells Project Title: October 2021		d: 11/23/202	21 06:58				
RESULT UNITS DIL LOD LOQ MCL ND ug/L 1 0.25 0.84 5 ND ug/L 1 0.27 0.87 80 ND ug/L 1 0.27 0.91 80 ND ug/L 1 0.27 0.91 80 ND ug/L 1 0.27 0.91 80 ND ug/L 1 0.34 1.1 100 ND ug/L 1 0.34 1.1 100 ND ug/L 1 0.34 0.51 80 ND ug/L 1 0.28 0.93 75 ND ug/L 1 0.20 0.57 80 70 ND ug/L 1 0.20 0.56 70 90 ND ug/L 1 0.23 0.57 90 90 ND ug/L 1 0.29 0.5	Sample: 1286325 PW29 Collected: 10/27/21 Analyzed: 11/04/21 Analy	橋						
ND ugh ugh ND 1 0.23 ugh ND 0.24 ugh ND 1 0.23 ugh ND 0.24 ugh ND 1 0.23 ugh ND 0.23	ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ LOQ	MCL	Note
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Benzene	QN	ng/L	F	0.25	0.84	5	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromodichloromethane	QN	ng/L	-	0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromoform	DN	ug/L		0.27	0.91	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bromomethane	DN	ng/L	-	0.87	2.9		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Carbon Tetrachloride	QN	ng/L	~ -i	0.17	0.55	5	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chlorobenzene	QN	ug/L	~	0.34	1.1	100	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloroethane	Q	ng/L		1.5	5.0		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chiorotorm		ng/L		0.24	0.81	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloromethane		ng/L		0.81	2.7		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Ulbromochloromethane	NN	ng/L		0.20	0.67	80	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.2-Dibromo-3-Chloropropane	QN	ug/L	-	0.36	1.2		-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Uibromoethane	(JN)		~ <	0.21	0.71		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			ng/L		0.17	- cc n		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,2-Dichlorobenzene	ON.	ug/L		0.28	0.92	600	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,3-Dichlorobenzene	UN.	ng/L	ç	0.28	0.93		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,4-Dichlorobenzene	UN .	ug/L	ç ,	0.30	0.99	75	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			ug/L		0.09	7.U		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1-Dichloroethane	ON CI	ng/L		0.20	0.66		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1, Z-Dichloroethane		ng/L		0.43	40	0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1, I-Dicnloroetnene		ug/L	- -	0.19	0.02	1	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	CIS-1,Z-UICINOFOREINE		ug/L ug/L		0.40	0.00	0/	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	I alis-1, z-Dichilol Jene				0.10	1000	100	
ND ug/L 1 0.24 0.81 ND ug/L 1 0.23 1.1 700 ND ug/L 1 0.61 2.0 5 ND ug/L 1 0.61 2.0 5 ND ug/L 1 0.61 2.2 5 ND ug/L 1 0.66 2.2 5 ND ug/L 1 0.38 1.1 700 ND ug/L 1 0.36 1.2 5 ND ug/L 1 0.36 1.2 5 ND ug/L 1 0.16 0.35 200 ND ug/L 1 0.16 0.35 200 ND ug/L 1 0.16 0.35 200 ND ug/L 1 0.17 0.35 200 ND ug/L 1 0.17 0.41 1.4 ND ug/L	1, z-UtiliUtopiopalie ris-1 3. Dichlorononana	2 CN	1/0/1		0.0	0.53	>	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	trane-1.3-Dichlornoronene	QN	na/L		0.24	0.81		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Fthvihanzana	CN	/ ua/l-	, , ,	0.33	11	700	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Methvlene chloride	Q	ua/L	¢,	0.61	2.0	5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Nanhthalene	QN	ua/L	-	0.66	2.2		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Styrene	QN	ug/L	-	0.40	1.3	100	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	ortho-Xvlene	QN	ng/L	~	0.38	1.3		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tetrachloroethene	QN	ng/L	٢	0.34	1.1	5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Toluene	Q	ng/L	~	0.29	0.98	1000	
ND ug/L 1 0.16 0.52 5 ND ug/L 1 0.35 1.2 5 ND ug/L 1 0.35 1.2 5 ND ug/L 1 0.35 1.2 5 ND ug/L 1 0.75 2 ND ug/L 1 0.70 2.3 10000 ND ug/L 1 0.70 2.3 10000 ND ug/L 1 1.4 0.41 1.4 ND ug/L 1 0.77 0.57 0.057 ND ug/L 1 1.7 5.5 11000 119% 1 1.7 5.5 1100%	1,1,1-Trichloroethane	Q	ug/L	,	0.11	0.35	200	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1,2-Trichloroethane	NN	ug/L	-	0.16	70.0	ດ ເ	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Trichloroethene		ug/L		0.35	7.1	0	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	I richlorotiuoromethane		ug/L		0.44	27.0	6	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Vinyi chioride			- -	1 20	0.47	1000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	meta, para-Ayiene		ug/L		0.10	24	00001	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	IVI DE Actors	1761	-1/01		13	44		
ND ug/L 1 2.7 9.0 ND ug/L 1 2.7 9.0 114% 1 1.7 5.5 119% 1 100% 1		CIN	10/1	- -	0.17	0.57		
ND ug/L 1 1.7 5.5 114% 1 1.7 5.5 119% 1 100% 1	Mathuri Ethuri Katana	CN CN	- rig/	- +-	27	0.6		
114% 114% 119% 1 100% 1	Internyi Eulyi Netone Tatrabudrofinan	QN	110/		1.7	5.5		
119% 100% 1 100%	Dihromofilioromethane (SLIRR)	114%						S
100% 1	Tolinon-da (Si IRR)	119%		-				S
	1-Bromo-4-Fliorobenzene (SUJRR)	100%		~				S

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation. S = This compound is a surrogate used to evaluate the quality control of a method.

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Project Description: Marathon County Area A Private Wells Project Title: October 2021 Template:	APP3	Printed: 11/23/2021 06:58	021 06:58					
Sample 1286326 PW54 Collected: 10/27/21 Analyzed: 11/08/21 Analyt	Analytes: 43:							
ANALYTE NAME	RESULT	UNITS	DIL	LOD	ГОО	MCL	Note	
Benzene ·	QN	ng/L	-	0.25	0.84	5		
Bromodichloromethane	QN A	ng/L	~	0.20	0.67	80		
Bromomothano		I/Bn	-	. 0.27	0.81	80		
Diumumemane Carhon Tatrachlorida		ng/L		0.07	0.45	ц	-	
Chlorohenzene	UN CN	ug/L 110/1	-	0.34	11	100		
Chloroethane	QN	ua/L	-	1.5	50	2021		
Chloroform	Q	na/L		0.24	0.81	80	-	
Chloromethane	QN	ng/L	-	0.81	2.7			
Dibromochloromethane	DN	ng/L	1	0.20	0.67	80		
1,2-Dibromo-3-Chloropropane	QN	ng/L	-	0.36	1.2			
1,2-Dibromoethane	QN	ng/L	ر	0.21	0.71			
Dibromomethane	ND	ug/L	.	0.17	0.55			
, 2-Dichlorobenzene	DN	ug/L	٢	0.28	0.92	600		
1,3-Dichlorobenzene	ND	ug/L	1	0.28	0.93			
,4-Dichlorobenzene	ND	ug/L	·	0.30	0.99	75		
Dichlorodifluoromethane	QN	ng/L	-	0.59	2.0			
,1-Dichloroethane	DN	ug/L	-	0.20	0.66			
, z-Dichloroethane		ng/L	-	0.43	1.4	اد	-	
1, 1-Dichloroethene		ng/L		0.19	0.63	/		
us-1,2-Dichinolocinele trans_1 2-Dichinnethane		1/G/L		0 10	0.00	100		
2-Dichloronronane	QN	ua/L		0.16	0.54	2,0		1
cis-1.3-Dichloropropene	UN.	na/L		0.16	0.53)		
trans-1.3-Dichloropropene	ON	ua/L	.	0.24	0.81			
Ethylbenzene	QN	ng/L	~~~	0.33	1.1	200		
Methylene chloride	QN	ng/L	-	0.61	2.0	ъ		
Naphthalene	ND	ng/L	-	0.66	2.2		-	
Styrene	ΟN	ng/L		0.40	1.3	100		
ortho-Xylene	Q	ng/L	-	0.38	1.3			
Tetrachloroethene	QN	ng/L		0.34	1.1	5		
Toluene		ng/L		0.29	0.98	000	~	
1,1,1-Inchlorethane		ng/L		0.11	0.50	ZUU		
1, 1, 2-1 ncnloroetnane		ug/L		0.35	20.0 C F	n u		
11101101051115115	ON ON			0.22	0.75	>		
Tricitiororitationarie Vinvi oblarida	CN	10/1		0 14	0.47	2	-	
winyi cinonac meta nara-Xviene	CIN	ua/L		0.70	2.3	10000		
MTRF	CIN	na/L	-	0.41	1.4			
Acetone	QN	ng/L	-	13	44			
Carbon Disulfide	QN	ng/L	-	0.17	0.57		MD	
Methyl Ethyl Ketone	DN	ng/L	ţ.	2.7	9.0			
l etrahydrofuran	DN	ug/L	-	1.7	5.5			
Dibromofluoromethane (SURR)	94%						v	
Toluene-d8 (SURR)	107%						ממ	
	%XD		-				r.	

MD = Matrix spike and matrix spike duplicate relative percent difference exceeded QC limits.

MAN. TTIC: RESULT: Page 16 of 17 Anda. TTIC: RESULT: Regist Result (1000). Water Nust Result (1000). Water Contone: Maretine County Serie Mymine (1000). Maret MPTINE (122/2021 06:48) Project 375896 Project 2757 Project 2757 Project 2757 Project 2757 Project 2758 Project 2758 Project 2758 Project 2758 Project 2758 Project 2758 </th <th>ALS Project: 375696 APP3 Printed: 11/23/2021 06:58 Ss:43 UNITS Dit Ss:43 UNITS Dit ND ug/L 1 ND ug/L</th> <th>LOD LOD LOD 1.5 0.25 0.84 0.25 0.87 0.91 0.27 0.29 0.84 0.27 0.29 0.84 0.27 0.29 0.84 0.27 0.29 0.84 0.28 0.24 0.81 0.34 1.1 1 0.34 1.2 0.81 0.35 0.21 0.92 0.21 0.21 0.92 0.23 0.21 0.55 0.21 0.71 0.67 0.21 0.71 0.67 0.22 0.92 0.92 0.20 0.67 0.66 0.16 0.55 0.66 0.19 0.66 0.66 0.19 0.66 0.66 0.16 0.53 1.1 0.66 0.66 0.66 0.33 1.1 0.61 0.34 1.3 0.32</th> <th>Page 16 of 17</th>	ALS Project: 375696 APP3 Printed: 11/23/2021 06:58 Ss:43 UNITS Dit Ss:43 UNITS Dit ND ug/L 1 ND ug/L	LOD LOD LOD 1.5 0.25 0.84 0.25 0.87 0.91 0.27 0.29 0.84 0.27 0.29 0.84 0.27 0.29 0.84 0.27 0.29 0.84 0.28 0.24 0.81 0.34 1.1 1 0.34 1.2 0.81 0.35 0.21 0.92 0.21 0.21 0.92 0.23 0.21 0.55 0.21 0.71 0.67 0.21 0.71 0.67 0.22 0.92 0.92 0.20 0.67 0.66 0.16 0.55 0.66 0.19 0.66 0.66 0.19 0.66 0.66 0.16 0.53 1.1 0.66 0.66 0.66 0.33 1.1 0.61 0.34 1.3 0.32	Page 16 of 17
NLS Project: 375696 APP3 Printed: 1/123/2021 06:58 Setal Units Dil Uoi Old MCL Setal Units Dil Uoi Old MCL Setal Units Dil Con Dol Old MCL Setal Units Upil 1 Old Old MCL ND Ugil 1 O.20 0.84 5 0 ND Ugil 1 0.23 0.84 5 0 ND Ugil 1 0.23 0.12 0.25 0.84 5 ND Ugil 1 0.23 0.93 75 9 9 ND Ugil 1 0.23 0.93 75 9 70 ND Ugil 1 0.23 0.93 75 9 70 ND Ugil 1 0.23 0.93 75 9 70 ND </td <td>APP3 Printed: 11/23/2021 06:58 Sa:43 Printed: 11/23/2021 06:58 Sa:43 UNITS Dit ND Ug/L 1 ND</td> <td>LOD LOD LOD 0.25 0.27 0.27 0.27 0.27 0.91 0.27 0.27 0.97 0.27 0.29 0.67 0.27 0.29 0.67 0.27 0.29 0.67 0.21 0.21 0.91 0.21 0.21 0.91 0.21 0.21 0.91 0.21 0.21 0.92 0.22 0.93 0.71 0.23 0.21 0.55 0.21 0.71 0.55 0.22 0.93 0.92 0.20 0.92 0.93 0.20 0.92 0.93 0.20 0.93 0.14 0.19 0.66 0.54 0.19 0.66 0.53 0.24 0.33 1.1 0.33 1.1 0.51 0.33 1.1 0.51 0.33 1.1 0.34</td> <td>Note the second se</td>	APP3 Printed: 11/23/2021 06:58 Sa:43 Printed: 11/23/2021 06:58 Sa:43 UNITS Dit ND Ug/L 1 ND	LOD LOD LOD 0.25 0.27 0.27 0.27 0.27 0.91 0.27 0.27 0.97 0.27 0.29 0.67 0.27 0.29 0.67 0.27 0.29 0.67 0.21 0.21 0.91 0.21 0.21 0.91 0.21 0.21 0.91 0.21 0.21 0.92 0.22 0.93 0.71 0.23 0.21 0.55 0.21 0.71 0.55 0.22 0.93 0.92 0.20 0.92 0.93 0.20 0.92 0.93 0.20 0.93 0.14 0.19 0.66 0.54 0.19 0.66 0.53 0.24 0.33 1.1 0.33 1.1 0.51 0.33 1.1 0.51 0.33 1.1 0.34	Note the second se
APP3 Printed: 11/23/2021 06:58 Result UNIS DIL LOD LOD MCL ND Ug/L 1 0.20 0.04 MCL ND Ug/L 1 0.20 0.06 5 6 ND Ug/L 1 0.20 0.06 5 6 0 ND Ug/L 1 0.27 0.01 1 0.27 0.01 8 0 ND Ug/L 1 0.28 0.84 5 0 </td <td>APP3 Printed: 11/23/2021 06:58 SS:43 RESULT UNITS Dit ND ug/L 1 Dit ND ug/L 1 Dit ND ug/L 1 1 ND ug/L 1</td> <td>LOD LOD LOD LOD 1.00 0.25 0.87 0.26 0.20 0.20 0.87 0.91 0.21 0.20 0.67 0.91 0.21 0.21 0.91 0.67 0.21 0.21 0.91 0.67 0.22 0.34 1.1 1.2 0.21 0.21 0.91 0.67 0.21 0.21 0.91 0.67 0.22 0.34 0.12 0.93 0.22 0.30 0.92 0.93 0.22 0.30 0.92 0.66 0.19 0.65 0.93 0.64 0.19 0.66 0.66 0.64 0.16 0.53 1.1 0.64 0.24 0.66 0.66 0.66 0.33 1.1 0.61 0.53 0.33 1.1 0.61 0.51 0.33 1.1 0.61 0.51</td> <td>Mote</td>	APP3 Printed: 11/23/2021 06:58 SS:43 RESULT UNITS Dit ND ug/L 1 Dit ND ug/L 1 Dit ND ug/L 1 1 ND ug/L 1	LOD LOD LOD LOD 1.00 0.25 0.87 0.26 0.20 0.20 0.87 0.91 0.21 0.20 0.67 0.91 0.21 0.21 0.91 0.67 0.21 0.21 0.91 0.67 0.22 0.34 1.1 1.2 0.21 0.21 0.91 0.67 0.21 0.21 0.91 0.67 0.22 0.34 0.12 0.93 0.22 0.30 0.92 0.93 0.22 0.30 0.92 0.66 0.19 0.65 0.93 0.64 0.19 0.66 0.66 0.64 0.16 0.53 1.1 0.64 0.24 0.66 0.66 0.66 0.33 1.1 0.61 0.53 0.33 1.1 0.61 0.51 0.33 1.1 0.61 0.51	Mote
Sext3 Accord Mail Dit LOD Moi Ugit 1 0.25 0.34 5 Moi Mo	RESULT UNITS Dit ND ug/L UNITS Dit ND ug/L 1 1 1	LOD LOD LOQ 0.25 0.84 0.84 0.20 0.67 0.91 0.21 0.017 0.91 0.21 0.12 0.91 0.21 0.21 0.91 0.21 0.21 0.91 0.21 0.21 0.91 0.15 0.34 1.1 1.5 0.36 1.2 0.21 0.21 0.91 0.22 0.30 0.92 0.21 0.21 0.71 0.22 0.33 1.2 0.23 0.21 0.71 0.24 0.92 0.92 0.20 0.93 0.92 0.19 0.66 0.93 0.19 0.66 0.54 0.16 0.53 1.1 0.54 0.13 0.51 0.33 0.40 1.3 0.34 1.3 0.34	
RESULT UNITS DIL LOD LOD LOD MCI ND Ug/L 1 0.27 0.29 0.24 0.04 MCI ND Ug/L 1 0.27 0.29 0.24 0.04 MCI ND Ug/L 1 0.27 0.24 0.04<	RESULT UNTS DL thane ND ug/L 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Active and the second s
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Index ND ug/L 1 Index ND ug/L 1 1 Index ND ug/L 1 1 1 Index ND ug/L 1 1 1 1 1 Intrane ND ug/L 1 <td>$\begin{array}{c} 0.91\\ 2.9\\ 1.1\\ 5.1\\ 1.2\\ 1.2\\ 1.2\\ 1.2\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3$</td> <td></td>	$\begin{array}{c} 0.91\\ 2.9\\ 1.1\\ 5.1\\ 1.2\\ 1.2\\ 1.2\\ 1.2\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Ide ND $ug/L 1 Inde ND ug/L 1 Instance ND ug/L 1 Infrance ND ug/L 1 $	$\begin{array}{c} 2.9\\ 0.55\\ 1.1\\ 0.55\\ 0.55\\ 1.2\\ 1.2\\ 1.2\\ 1.2\\ 0.55\\ 1.4\\ 1.4\\ 0.55\\ 1.4\\ 1.4\\ 1.4\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.4\\ 1.4\\ 1.4\\ 1.4\\ 1.4\\ 1.4\\ 1.4\\ 1.4$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0.55\\ 1.1\\ 1.1\\ 1.2\\ 1.2\\ 1.2\\ 1.2\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ND ugl. ugl. 1 Intense ND ugl. 1 1 1 Intense ND ugl. 1 1 1 Intense ND ugl. 1 1 1 Inten ND ugl. 1 </td <td>$\begin{array}{c} 1.1\\ 0.81\\ 2.7\\ 0.67\\ 0.55\\ 0.93\\ 0.93\\ 0.66\\ 0.93\\ 0.66\\ 0$</td> <td></td>	$\begin{array}{c} 1.1\\ 0.81\\ 2.7\\ 0.67\\ 0.55\\ 0.93\\ 0.93\\ 0.66\\ 0.93\\ 0.66\\ 0$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ND ugl. ND 1 Infrate ND ugl. ugl. 1	0.0 0.7 1.2 1.2 0.67 1.2 0.66 0.99 0.64 0.66 0.64 0.66 0.64 0.66 0.64 0.65 1.4 1.1 1.3 1.3 1.3 1.1 1.3 1.1 1.3 1.1 1.2 1.1 1.2 1.2 1.1 1.2 1.2	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ND ugl. ugl. 1 le ND ugl. 1 leftene ND ugl. 1 ethene ND ugl. 1 e ND ugl. 1 e ND ugl. 1 e ND ugl. 1 lethene ND ugl. 1 e ND ugl. 1 1 e ND ugl.	$\begin{array}{c} 0.81\\ 0.67\\ 1.2.7\\ 0.55\\ 0.99\\ 0.66\\ 0.99\\ 0.53\\ 1.1\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Interest ND $ug/L 1 Interpropante ND ug/L 1 Intere$	2.7 0.67 0.93 0.99 0.99 0.99 0.99 0.99 0.99 0.99	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Intrane ND ugh 1 le ND ugh 1 1 le ND ugh 1 1 ne ND ugh 1 1 ethene ND ugh 1 1 e ND ugh 1 1 e ND ugh 1 1 e ND ugh 1 1 ne ND ugh 1 1 opene ND ugh 1 1 e ND ugh 1 1 ene ND ugh 1 1 ene ND ugh 1 1	$\begin{array}{c} 0.67\\ 0.55\\ 0.92\\ 0.99\\ 0.99\\ 0.66\\ 0.66\\ 0.53\\ 1.1\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.3\\ 1.$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c} 1.2 \\ 0.71 \\ 0.92 \\ 0.93 \\ 0.93 \\ 0.93 \\ 0.93 \\ 0.93 \\ 0.66 \\ 0.66 \\ 0.66 \\ 0.63 \\ 1.4 \\ 1.4 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.4 \\ 1.3 \\ 1.4 \\ 1.3 \\ 1.4 \\ 1.4 \\ 1.3 \\ 1.4 \\ $	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	new ND ug/L 1 ene ND ug/L 1 ethene ND ug/L 1 ethene ND ug/L 1 1 ene ND ug/L </td <td>0.55 0.93 0.99 0.99 0.66 0.65 0.53 0.53 0.53 0.53 1.1 1.1 1.3 2.0 2.0 2.0 1.1 1.3 2.0</td> <td></td>	0.55 0.93 0.99 0.99 0.66 0.65 0.53 0.53 0.53 0.53 1.1 1.1 1.3 2.0 2.0 2.0 1.1 1.3 2.0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.03 0.09 0.09 0.00 0.00 0.00 0.00 0.00	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.92 0.99 0.66 0.64 0.66 0.53 1.1 1.1 1.1 1.3 2.0 1.1 1.3 2.0	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} \text{ND} & \text{ugl} & 1 \\ \text{e} \\ \text{e} \\ \text{e} \\ \text{e} \\ \text{e} \\ \text{e} \\ \text{hane} \\ \text{e} \\ \text{e} \\ \text{e} \\ \text{hane} \\ \text{hold} \\ \text{e} \\ \text{e} \\ \text{hold} \\ \text{ugl} \\ \text{hold} \\ \text{hold} \\ \text{ugl} \\ \text{hold} \\ \hold \\ \text{hold} \\ \hold \\ \text{hold} \\ \hold \\ \text{hold} \\ \hold \\ \text{hold} \\ \hold \\ \hold \\ \hold \\ \hold \\ \hold \\ \hold \\ \hold \\ \hold \\ \hold \\ \hold \\ \hold \\ \hold \\ \ \ \hold \\ \ \hold \\ \ \ \ \hold \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	2.0 0.66 0.66 0.66 0.67 1.1 1.3 2.0 1.1 1.3 2.0 1.1 1.3 2.0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ethane ND ug/L 1 e ND ug/L 1 hene ND ug/L 1 hene ND ug/L 1 ne ND ug/L 1 opene ND ug/L 1 ne ND ug/L 1 1 opene ND ug/L 1 1 opene ND ug/L 1 1 ne ND ug/L 1 1 1 opene ND ug/L 1 1 1 1 opene ND ug/L 1 1 1 1 1 opene ND ug/L 1 1 1 1 1 <t< td=""><td>2.0 0.66 0.66 0.64 0.66 0.53 1.1 1.3 2.0 1.1 1.3</td><td></td></t<>	2.0 0.66 0.66 0.64 0.66 0.53 1.1 1.3 2.0 1.1 1.3	
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	e ND ug/L 1 hene ND ug/L 1 hene ND ug/L 1 ethene ND ug/L 1 hene ND ug/L 1 ne ND ug/L 1 propene ND ug/L 1 Propene ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 hane ND ug/L 1 ND ug/L 1 hane ND ug/L 1	1.4 0.63 0.64 0.64 0.53 1.1 1.1 1.3 2.0 1.1 1.3 1.3	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	e ND ug/L 1 hene ND ug/L 1 ethene ND ug/L 1 ethene ND ug/L 1 ne ND ug/L 1 ne ND ug/L 1 opene ND ug/L 1 opene ND ug/L 1 propene ND ug/L 1 e ND ug/L 1 no ug/L 1 1 no ug/L 1 1 no ug/L 1 1 no	0.63 0.66 0.64 0.54 1.1 2.0 2.0 1.3 1.3 1.3	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	hene ND ug/L 1 ethene ND ug/L 1 ne ND ug/L 1 ne ND ug/L 1 opene ND ug/L 1 opene ND ug/L 1 opene ND ug/L 1 propene ND ug/L 1 no ug/L 1 1 no ug/L 1 1 no ug/L 1 1 no <td>0.66 0.64 0.54 1.1 2.0 2.2 1.3 1.3</td> <td></td>	0.66 0.64 0.54 1.1 2.0 2.2 1.3 1.3	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ethene ND ug/L 1 ne ND ug/L 1 opene ND ug/L 1 no ND ug/L 1 ND ug/L 1 1 no ND ug/L 1	0.64 0.54 0.53 1.1 2.0 2.2 1.3 1.3	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Inc ND Ug/L 1 Opence ND Ug/L 1 Opence ND Ug/L 1 Propence ND Ug/L 1 Propence ND Ug/L 1 Propence ND Ug/L 1 ND Ug/L 1 1 ND Ug/L 1 1 ND Ug/L 1 1 Ande	0.54 0.53 1.1 2.0 1.3 1.3 1.3	
ND ug/L 1 0.16 0.53 ND ug/L 1 0.34 0.81 ND ug/L 1 0.33 1.1 700 ND ug/L 1 0.63 2.1 700 ND ug/L 1 0.65 2.2 5 ND ug/L 1 0.34 1.13 700 ND ug/L 1 0.34 1.13 700 ND ug/L 1 0.34 1.13 700 ND ug/L 1 0.35 1.25 5 ND ug/L 1 0.36 0.35 1000 ND ug/L 1	Opene ND ug/L 1 propene ND ug/L 1 e ND ug/L 1 ND ug/L 1 1 Ane ND ug/L 1 1 Ane ND ug/L 1 1 1 ND ug/L 1 1 1 1 Ane ND ug/L 1 1 1 ND ug/L 1 1 1 1 1 ND ug/L 1 1 1 1 1 1 ND ug/L 1 1 1 1 1 1 1 1 1 1 1 1 <td>0.53 0.81 1.1 1.3 2.0 1.3 1.3 1.3</td> <td></td>	0.53 0.81 1.1 1.3 2.0 1.3 1.3 1.3	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	propende ND ug/L 1 e ND ug/L 1 ND ug/L 1 1 And ND ug/L 1 1 And ND ug/L 1 1 And ND ug/L 1 1 ND ug/L 1 1 1 And ND ug/L 1 1 ND ug/L 1 1 1 ND ug/L 1 1 1 1 ND ug/L 1 1 1 1	0.81 1.1 1.3 2.0 1.1 3 1.3 3 1.1 1 1.3 1 1.1 1 1.1 1 1.1 1 1.1 1 1.1 1 1.1 1 1.1 1 1.1 1 1.1 1 1.1 1 1.1 1	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ND ug/L 1 e ND ug/L 1 ND ug/L 1 1 nate ND ug/L 1 1 ND ug/L 1 1 1 Mate ND ug/L 1 1 ND ug/L 1 1 1	1.1.2.2.0 1.1.3.3 1.1.3.3	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	B ug/L 1 ND ug/L 1	220	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1	22 1.3 1.4	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1	1.3	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ND ug/L 1 ane ND ug/L 1 ane ND ug/L 1 no ug/L 1 1	£.1 2.4	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ND Ug/L 1 ane ND Ug/L 1 ane ND Ug/L 1 ane ND Ug/L 1 Ane ND Ug/L 1 ND Ug/L 1 1		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ane ND ug/L 1 ane ND ug/L 1 hane ND ug/L 1 hane ND ug/L 1 hane ND ug/L 1 ND ug/L 1 ND ug/L 1	0.08	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	and ug/L 1 and ND ug/L 1 hane ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1	0.35	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ND ug/L 1 hane ND ug/L 1 ND ug/L 1 ND ug/L 1	0.52	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	hane ND ug/L 1 ND ug/L 1 ND ug/L 1 ND ug/L 1	1.2	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ND ug/L 1 ND ug/L 1 ND ug/L 1	0.75	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ND ug/L 1 ND ug/L 1 1201 ug/L 1	0.47	
ND ug/L 1 0.41 1.4 [30] ug/L 1 13 44 [30] ug/L 1 13 44 ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 101% 1 1 1.7 5.5 111% 1 1 1.7 5.5 108% 1 1 1 1.7	ND ug/L 1 Pool	2.3	-
[30] ug/L 1 13 44 ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 101% 1 1 1.7 5.5 108% 1 1 1			
ND ug/L 1 0.17 0.57 ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 101% 1 117 5.5 111% 1 101% 1 101%	I and address of a second s		
ND ug/L 1 2.7 9.0 ND ug/L 1 1.7 5.5 101% 1 117 5.5 111% 1 108% 1	ND ug/L 1		
ND ug/L 1 1.7 5.5 101% 11.1 111% 1 108% 1	ND ug/L 1		
101% 111% 108% 1	ND ug/L 1		c
111% 108% 1			so o
108%			nu
			0

J = result enclosed in prackets is between LUU and LUU, a region or less certain que S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water							Page 17 of 17
Customer: Marathon County Solid Waste Mgmnt Dept N	NLS Project: 375696	375696					- - -
Project Description: Marathon County Area A Private Wells	ADD2 Drinfo	Drintod: 11/23/2024 06.29	04.06.40				
LIUJEULIUR. OUUNEI 2021		07/07/11 m	1 00.30				
Sample: 31286328 Trip:Blanks Collected: 10/27/24 Analyzed: 10/08/21 Analytes	alytes: 43:						
ANALYTE NAME	RESULT	UNITS	סור	LOD	LOQ	MCL	Note
Benzene	DN	ng/L	1	0.25	0.84	5	
Bromodichloromethane	ND	ug/L	~	0.20	0.67	80	
Bromoform	QN	ng/L	***	0.27	0.91	80	
Bromomethane	ON CIN	ug/L	.	0.87	2.9		
Carbon letrachloride	ON CIN	ng/L	1	0.17	0.55	5	
Chlorobenzene	ON .	ng/L	~	0.34	.	100	
Chloroethane	ON.	ng/L	y	1.5	5.0		
Chloroform	Q	ug/L		0.24	0.81	80	-
Chloromethane	DN	ug/L	-	0.81	2.7		
Dibromochloromethane	QN	ug/L	۰.	0.20	0.67	80	
1.2-Dibromo-3-Chloropropane	Q	ng/L	,	0.36	1.2		
1.z-Uloromoetnane	ND	ng/L	-	0.21	0.71		
Dibromomethane	QN	ug/L	~	0.17	0.55		
1,2-Dichlorobenzene	DN	ng/L		0.28	0.92	600	
1,3-Dichlorobenzene	QN	ug/L	agan (0.28	0.93		
1,4-Dichlorobenzene	DN	, ug/L	~~ .	0.30	0.99	75	
Dichlorodifluoromethane	Q	ug/L	،	0.59	2.0		
1,1-Dichloroethane	DN	ng/L		0.20	0.66		
1,2-Dichloroethane	ND	ng/L		0.43	1.4	5	
1,1-Dichloroethene	Q	ng/L	۰-	0.19	0.63	7	
cis-1,2-Dichloroethene	ND	ug/L	~ ~	0.20	0.66	70	
trans-1,2-Dichloroethene	ND	ng/L		0.19	0.64	100	
1,2-Dichloropropane	ON CIN	ug/L	ç	0.16	0.54	Ð	
cis-1,3-Dichloropropene	ON S	ug/L		0.16	0.53		
trans-1,3-Dichloropropene	ON.	ug/L		0.24	0.81		
Ethylbenzene	ON .	ng/L	, ,	0.33	1.1	. 700	
Methylene chloride	ON.	ng/L	, , ,	0.61	2.0	ç	
Naphthalene		ng/L	-	0.00	7.7	001	
Styrene		ng/L	-	0.40	<u>.</u> 	nn	
Onno-Aylene		ug/F		0.34	 . +	Ч	
I ELIACINOLOGUIERO Talucaro				000	0 08	1000	
1 1 1_Trichlornethane	GN	1/0/1		0.11	0.35	200	
112-Trichloroethane	QN	na/L		0.16	0.52	2	
Trichloroethene	QN	ng/L	-	0.35	1.2	5	
Trichlorofluoromethane	QN	ng/L	~	0.22	0.75		
Vinvi chloride	QN	ng/L	~	0.14	0.47	.2	
meta, para-Xylene	DN	ng/L	-	0.70	2.3	10000	
MTBE	QN	ng/L	۲-	0.41	1.4		
Acetone	DN	ng/L	٢	13	44		
Carbon Disulfide	QN	ug/L	∽.	0.17	0.57		-
Methyl Ethyl Ketone	ND	ug/L	۰	2.7	9.0		
Tetrahydrofuran.	DN	ng/L -	~	1.7	5.5		
Dibromofluoromethane (SURR)	114%						s
Toluene-d8 (SURR)	100%		+				s
1-Bromo-4-Fluorobenzene (SURR)	98%						S
NOTES APPLICABLE TO THIS ANALYSIS:							
S = This compound is a surrogate used to evaluate the quality control of a method	.pd						

SITE: Marathon Co. Solid Waste Management Dept. / Area A - Private Wells (page 1 of 5)

1A				Constant and the other states are a set of the set	San an CHARLING (CHARLENCE) (CARLING CHARLENCE)	THE REPORT OF THE REPORT OF THE REPORT OF THE REPORT OF THE REPORT OF THE REPORT OF THE REPORT OF THE REPORT OF	
NLS Lab #:	Point Name / Hor		DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):
1286312	Marathon Co). Highway Dept. can Road, Hayley	356	Sinid	UD	NO	ND Trented (Y/N):
Date Sampled:	Time Sampled:	Sample Location:	<u> </u>	Siwie			N ·
10-27.21	11.15	DAIR.	even a) inste			
Comments: 07 3	U						
075 083							· .
Softener-no Colle	ect from bathroom	/locker room sink		THE REAL PROPERTY AND THE PARTY OF THE		an an an an an an an an an an an an an a	n i ta manadalah saka sa kata kata sa k
		· · · · ·				alaye (1997) 1997 1997 1997 1997 1997 1997 1997	
NLS Lab #:	Point Name / Hon	neowner: PW88	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):
012	Chr	istensen Troy	365	Smid	ND	ND	QU
Date Sampled:	Winne Commission	Duncan Road, Hatley Sample Location:	<u> </u>				Treated (Y/N):
	0836	Front	. of	House	f		N
10-27.21 Comments:	00,12			·			
				, ¹⁰			
Softener—yes Coli	ect from - outside fo	ucet. front of house					
		i armynt feldigi yw yr annifeldir a'r ar yn arf y fran yw yn ar yw yn ar yw yn ar yw yn ar yw yn ar yw yn ar y A	an an an an an an an an an an an an an a				
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NLS Lab #:			DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant,text,color):
	Delut Nama / Hon	PW24	DIAKIDH	Timer mgen.	Cului	Cutt	
, 0/1/	Point Name / Hon Kluck	, Mark	352		ND		ND
314	Kluck R221950 Du	r, Mark Incan Road, Hatley		5 mud	1	ND	Treated (Y/N):
Date Sampled:	Kluck R221950 Du Time Sampled:	r, Mark mean Road, Hatley Sample Location:	352	5 mud	1		
314	Kluck R221950 Du Time Sampled:	r, Mark Incan Road, Hatley	352	5 mud	1		Treated (Y/N):
Date Sampled:	Kluck R221950 Du Time Sampled:	r, Mark mean Road, Hatley Sample Location:	352	5 mud	1		Treated (Y/N):
Date Sampled:	Kluck R221950 Du Time Sampled:	r, Mark mean Road, Hatley Sample Location:	352	5 mud	1		Treated (Y/N):
Date Sampled: 10-27-21 Comments:	Kluck R221950 Du Time Sampled: 084,5	r, Mark Incan Road, Hatley Sample Location: FRI	352 >~~t w(5 muð Housë	AN	ND	Treated (Y/N):
Date Sampled: 10-27-21 Comments:	Kluck R221950 Du Time Sampled: 084,5	r, Mark mean Road, Hatley Sample Location:	352 >~~t w(5 muð Housë	AN	ND	Treated (Y/N):
Date Sampled: 10-27-21 Comments:	Kluck R221950 Du Time Sampled: 084,5	r, Mark Incan Road, Hatley Sample Location: FRI	352 >~~t w(5 muð Housë	AN	ND	Treated (Y/N):
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Date Sampled: 10-27-21 Comments:	Kluck R221950 Du Time Sampled: 0845 0845 ct from – front outs	c, Mark mean Road, Hatley Sample Location: FRU ide faucet (4/21/10 - owne ide faucet (7/21/10 - owne	352 >~~t w(5 muð Housë teet now works and is Time Purged:	ND closer to the well) Color:	ND Odor:	Treated (Y/N):
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NLS Lab #: 3K Date Sampled: 20-27-21 Comments: Softener-no Colle	Kluck R221950 Du Time Sampled: O 8'4' 5' ct from – front outs Point Name / Hom Levand R221828 Dur Time Sampled:	c, Mark mean Road, Hatley Sample Location: FRU ide faucet (4/21/10 - owne neowner: PW25 OSki, Mike nean Road, Hatley Sample Location:	352 ۲ said front fau DNR ID #: 353	5 mu) Housi teet now works and is Time Purged: 5 mi W	ND closer to the well) Color:	ND Odor:	Treated (Y/N): Turbidity (quant,text,color):
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NLS Lnb #: Date Sampled: 10-27-21 Comments: Softener-no Colle NLS Lnb #: 3K Date Sampled: 10-27-21	Kluck R221950 Du Time Sampled: O 8'4' 5' ct from – front outs Point Name / Hom Levand R221828 Dur Time Sampled:	c, Mark mean Road, Hatley Sample Location: FRU ide faucet (4/21/10 - owne neowner: PW25 OSki, Mike nean Road, Hatley Sample Location:	352 ۲ said front fau DNR ID #: 353	5 mu) Housi teet now works and is Time Purged: 5 mi W	ND closer to the well) Color:	ND Odor:	Treated (Y/N):
NLS Lab #: 10 - 27 - 21 Comments: Softener-no Colle NLS Lab #: 3K Date Sampled: 10 - 27 - 21 Comments:	Kluck R221950 Du Time Sampled: O 8'4' 5 Ct from - front outs Point Name / Hom Levand R221828 Dur Time Sampled: O 255	ncan Road, Hatley Sample Location: FRU ide faucet (4/21/10 - owne neowner: PW25 OSki, Mike nean Road, Hatley Sample Location: BHCK	352 ۲ said front fau DNR ID #: 353	5 mu) Housi teet now works and is Time Purged: 5 mi W	いら closer to the well) Color: ひろ	ND Odor: ND	Trented (Y/N):
NLS Lab #: 10 - 27 - 21 Comments: Softener-no Colle NLS Lab #: 3K Date Sampled: 10 - 27 - 21 Comments:	Kluck R221950 Du Time Sampled: 0845 ct from – front outsi Point Name / Hom Levand R221828 Dur Time Sampled: (0255	c, Mark mean Road, Hatley Sample Location: FRU ide faucet (4/21/10 - owne neowner: PW25 OSki, Mike nean Road, Hatley Sample Location:	352 ۲ said front fau DNR ID #: 353	5 mu) Housi teet now works and is Time Purged: 5 mi W	いら closer to the well) Color: ひろ	ND Odor: ND	Treated (Y/N):
Date Sampled: 10-27-21 Comments: Softener-no Colle NLS Lab #: 3KS Date Sampled: 10-27-21 Comments: Softener-no Collec	Kluck R221950 Du Time Sampled: 0845 ct from – front outsi Point Name / Hom Levand R221828 Dur Time Sampled: (0255	ncan Road, Hatley Sample Location: FRU ide faucet (4/21/10 - owne neowner: PW25 OSki, Mike nean Road, Hatley Sample Location: BHCK	352 ۲ said front fau DNR ID #: 353	5 mu) Housi teet now works and is Time Purged: 5 mi W	いら closer to the well) Color: ひろ	ND Odor: ND	Trented (Y/N):

SITE: Marathon Co. Solid Waste Management Dept. / Area A – Private Wells (page 2 of 5)

2A						Turbilly found fast only it
NLS Lab #:	Point Name / Homcowner: PW18	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):
314	Falkowski, Janet	350	SMIN	NO	ND	ND
$\mathcal{J} \varphi$	R221765 Duncan Road, Hatley		0 1-110			Treated (Y/N):
Date Sampled:	Time Sampled: Sample Location:		Cil.			Max 1
10-27.21	0912 13	HCK 0	1 House			-ABN
Comments:	· · · · · · · · · · · · · · · · · · ·					
Coll	ect from - kitchen sink or outside back fau	cet				
Softener-no Coll	Peri from * Kitchen Shik of Online Brown					

NLS Lab #:	Point Name / Hom	eowner:	PW68	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (q	uant,text,color):
317	Pionke R221630 Du	, Derek		361	Smmi	ND	ND	AU	
Date Sampled:	Time Sampled:	Sample I		2					Treated (Y/N):
10-27.21	0825		B	ASE MEN	رد				Po
Comments:									
				the autobal formati					
Softener - yes but no				th outside fauce					

NLS Lab #:	Point Name / Hon	ncowner: PW19	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (q	uant,text,color):
318	Jozwiak	-Popp, Rose uncan Road, Hatley	351	5mil	ND	ND	00	
Date Sampled:	Time Sampled:	Sample Location:	·					Treated (Y/N):
10.27.21	0735	out.	ราคน ห	AUCET ACC.	Ris D40	EUCAU		N
Comments:								
						•		
					·			
Cofferen Ver Coller	t from - outside fai	ucet across driveway from	n house (not sof	tened – should be on ye	ear round			

						nen pan teken sen sinta piter biritik di Pa		(77
NLS Lab #:	Point Name / Hor	ncowner:	PW64	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant,text,color):
3,1°		an, Caro	, Hatley	359	5min	NP	ND	ND,
Date Sampled:	Time Sampled:	Sample L	ocation:					Treated (Y/N):
10	0810		BASEM	ONT.				N N
Comments:								
	Collect from - faucet in	hocomont h	efore softener					
The second second second second second second		DASCHICHTL	record contenter			Sec.	reverse side for sample	custody information
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SITE: Marathon Co. Solid Waste Management Dept. / Area A - Private Wells (page 3 of 5)

3A					THE OWNER AND A SHOT AND AND A DAMAGE AND A DAMAGE AND A DAMAGE AND A DAMAGE AND A DAMAGE AND A DAMAGE AND A DA		STATISTICS OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWN	TRANSFER OF TRANSFER	South States of the States of the States
CONTRACTOR OF THE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER	alegra Ridenali z Statu Balika Alexandra and	NATION OF STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREE	PW27	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (c	juant,text,color);
NLS Lab #:	Point Name / Hon	120111111	£ YY 47	354					GU
220	Fraa	za, Ivan			5 min	ND	UD	, r	30
340	R222050 Silk	Road, Ringle							Treated (Y/N):
Date Sampled:	Time Sampled:	Sample Lo	cation:	6	. 1		······································	•	N/
10-77-71	1042	55	SIDE	ot	House	1	veja (
	1012								
Comments:					•				
	•		÷		•		•.		•.
Softonor-no Colle	at From - outrido fa	ucet, south si	de of house				AN ART OWN CONTRACTOR DESCRIPTION		

	a na indication and the second second second second second second second second second second second second sec		DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (q	unnt,text,color):
NLS Lab #:	Four Rames Tromconner	PW65	360		UD	ND	D	~
371	Finlan, Andy			SMIN	\mathcal{V}	~0	P.0	
00	R221978 Silk Road, Ringle Time Sampled: Sample Lo			. <u> </u>	1			Treated (Y/N):
Date Sampled:			Enar	T ap the	and the			N
1027-21	1035 F	AUGEI	1-zern					
Comments:								
	•							
Softener-no Colle	ct from - outside front faucet		WATSTRAND POST IN	a and the second second second				

			DATO TO JL	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):
NLS Lab #:	Point Name / Hon	neowner: PW100	DNR ID #: 366	Tuner argen.	201011		
277	Fraaza	Brandon	200	5 mil	NO	ND	ND
766	R221915 & R22	1917 Silk Road, Ringle	l	Cirra		1	Treated (Y/N):
Date Sampled:	Time Sampled:	Sample Location:	0	0. 1	•		
10-27-21	10.28	BACK	P†	Duple X:			
Comments:							
							· · ·
						•	
		ucet, back west side of app	artmonts (1 w	ll shared by both apar	tments in duplex)		
Softener-No Colle	ct from - outside fai	ucer, back west side of apr		STATISTICS CONTRACTOR OF STATISTICS			

The second second second second second second second second second second second second second second second s				DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (q	uant,text,color):
NLS Lab #:	Point Name / Hon	icowner:	PW80	364	THUCT OF BCO.		.15	1	
323	Gaedtke,	Heath		304	Smin	ND	ND	1 20	2
267	R221760 Sill	Road, Ring	le					<u>'</u>	Treated (Y/N):
Date Sampled:	Time Sampled:	Sample Lo	ocation:	^ .	1	FAUCET			Nº.
10-27-21	1010		Front	of 1	touse	FARICE /		l	
Comments:									
Softener-no Collec	t from - outside fa	icet, west sid	le of house				CONTRACTOR OF THE OWNER.		International Contract of Contract
and the second		SHORT AND ADDRESS OF				Sec	reverse side for sample	custody information	lion
Rev 10/11	3								

SITE: Marathon Co. Solid Waste Management Dept. / Area A -- Private Wells (page 4 of 5)

4A	Caracterization and the second second second second second second second second second second second second se	analar satisfa sasa sasa sa sa sa sa sa sa sa sa sa s		I mu - Dunnede	Color:	Odor:	Turbidity (quant,text,color):
NLS Lab #:	Point Name / Hon	ncowner: PW53	DNR ID #: 357	Time Purged:			ND
324	0221771 586	vski, Michael SR	Í .		ND	ND	•
Date Sampled:	Time Sampled:	Sample Location:	I	J	~ `	Rel	Treated (Y/N):
111-27-21	1020	SiD	E of	' HOUSE	FACING	Ka'.	
Comments:		۹	-	"	•		
N N	ENER R	Sample Location: SID	REPOR	Γ."			
			•	•	•	•	•
			۰۰۰-۲۰۰۰ (۱				
Softener-yes Colli	ect from – basement	t well entry (only unsoften	ied point)			Caracterization and an an an an	
							Turbidity (quant, text, color):
NLS Lab #:	Point Name / Hon		DNR ID #:	Time Purged:	Color:	Odor:	
£(D	Tempor	355	SIMIN	NO	NO	NA
Date Sampled:	Porter R221704 Silk R Time Sampled:	Road, Ringle Sample Location:	l	<u> </u>	<u></u>	L	Treated (Y/N):
		BACK	ot l	Touse			N
10-22.21 Comments:							
	•			· _	3 011	/	
	-nor	IT FANGE	T DOE	ES NOT	WOKI		
				2			
Softener-yes Colle	ect from — outside fa	aucet, south side of house				A DE LA DELEMENTATION DE LA DELEMENTATION DE LA DELEMENTATION DE LA DELEMENTATION DE LA DELEMENTATION DE LA DEL	12 MARTINE ANY INSTRUCTION OF THE POST OF
	Difference						
	Contract Contract		ou weather the state of the state	an an and a state of a state of the state of	STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,		
NLS Lab #:	Point Name / Hon	ncowner: PW54	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):
	Bau	r Daniel	358	Smin	ND	ND	ND
326 Date Sampled:	R221657 Silk, Time Sampled:	, Ringle Samule Location:	<u> </u>				Treated (Y/N):
Date sampleu.	naso	SIDE of	House	<u> </u>	•		N
10-27-20 Comments:	093-	570-	<u></u>				
-7	URN FA	NCET ON	WAIT	Sinin	if No	HOW.	TAP ON
		SELP SI piton					
	C		-				
Softener no Collec	t from – faucet in gar	rage, on year round or outsi	ide/south faucet		andrease and an and a statement of		
Constant of the local distribution of the lo	ŢĸġġţġĸŊŴIJġŦŦŢŎĸĸĸĸĸĸĸĸĸĸĸ						
		ncowner: PW17	DNR ID #:	Time Purged:	Color:	Odor:	Turbidily (quant,text,color):
NLS Lab #:	Point Name / Hon Lieb	ncowner: PWI7	028		UD	ND	ND
321	R174825 W	illow Lane, Hatley		Simin	00		Treated (Y/N)
Date Sampled:	Time Complain	Sample Location:		1 -	•		No
10-27-21	0755	FRom	UT OT P	-louse .			

Comments:

Softener - no Collect from - back outside faucet (front faucet by brick deck broken - per owner 4/21/10)

See reverse side for sample custody information

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SITE: Marathon Co. Solid Waste Management Dept. / Area A - Private Wells (page 5 od 5)

NLS Lab #:	Point Name / Ho. Trip	ncowner: Blank	DNR ID #: 999	Time Purged:	Color:	Odor:	Turbidity (quant, text, color):
Date Sampled:	Time Sampled:	Sample Location:		<u>I</u>			Treated (YM):
Comments:		<u> </u>					

NLS Lab #:	Point Name / Hor	neo\vner:	DNR ID #:	Time Purged:	Color:	Odor:	uant,text,color):
Date Sampled:	Time Sampled:	Sample Location:					Treated (Y/N):
Comments:			-			Ng Turnaur Lacana Ing 201 Tag 100	

NLS Lab #:	Point Name / Hon	neowner:	DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (q	mant,text,color):
		<i>P</i> = 1						
Date Sampled:	Time Sampled:	Sample Location:						Treated (Y/N):
	-							
Comments:								
	-							

		NATIONAL A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF		and a state of the		Alto paralant - Portó (Taki		
NLS Lab #:	Point Name / Ho		DNR ID #:	Time Purged:	Color:	Odor:	Turbidity (c	mant,text,color):
Date Sampled:	Time Sampled:	Sample Location:	!		I		.1	Treated (Y/N):
Comments:		I	<u></u>					
Rout 8/0			والمجارات ويستشارك ويستعلق فيستبعه		See r	averse side for sample o	custody informatio	200 20

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/22/21 Pare 1 of 4	S Project: S Customer: Phone: 71			Method Lab NA 721026460 SW846 8260C 721026460 SW846 8260C 721026460 Suvale solution 721026460 Suvale solution 721026460	Authorized by: R. T. Krueger President
WDNR Labor WDATCP Laboratory C EPA Lab	NLS NLS Fax: 715 446 2906			ttion LOD LOQ/MCL Analyzed Method 10/27/21 NA 10/27/21 NA 10/27/21 NA 10/27/21 NA 10/27/21 NA 10/27/21 NA 10/27/21 NA 11/03/72 SW846 8260C Less-Certain Quantitation". Results greater than or equal to th All LOD/LOQs adjusted to reflect dlution and/or solids content.	Iby July Allow
REPORT		A statistica series and the series of the series of the series of the series of the series of the series of the			NA = Not Applicable Reviewed by:
ANALYTICAL		ual) October 2021			LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	Marathon County BRRDF Private Wells (semi-annual) October 2021	For Lerms and Conditions please see www.nislab.com PW11 NLS ID: 1286308 Matrix: GW Collected: 10/27/21 07:50 Received: 10/27/21	t results greater n Quantitation".	ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples. For Terms and Conditions please see www.nlslab.com
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environment 400 North Lake Avenue - Crandon, WI 5 Ph: (715)-478-2777 Fax: (715)-478-3060	Cilent: Marathon Attn: Mel Marathon R18500 E Ringle, W	Project: Marathor	For Terms and Conditions ple PW11 NLS ID: 1286308 Matrix: GW Collected: 10/27/21 07:50 Rv	Parameter Field color Field odor Field utrbidity Field depth to water VOCs (water) by GC/MS Values in brackets represent results greater values in the region of "Certain Quantitation".	ND = Not Detected (< LOD) DWB = Dry Weight Basis MCL = Maximum Contamina For Terms and Conditions p

Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 NORTHERN LAKE SERVICE, INC.

WDNR Laboratory ID No. 721026460

ANALYTICAL REPORT

WDATCP Laboratory Certification No. 105-330

EPA Laboratory ID No. WI00034

375695 20080

NLS Customer: NLS Project: Printed: 11/22/21

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Marathon County Solid Waste Mgmnt Dept Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754 Attn: Meleesa Johnson Client:

Marathon County BRRDF Private Wells (semi-annual) October 2021 Project:

PW26 NLS ID: 1286309 Matrix: GW Collected: 10/27/21 09:25 Received: 10/27/21

Parameter	Result Units Dill	Dilution LOD LOQ/MCL	Analyzed Method	Lab
Field color	none detected		10/27/21 NA	721026460
Field odor	none detected		10/27/21 NA	7.21026460
Field turbidity	none detected		10/27/21 NA	721026460
VOCs (water) by GC/MS	see attached		11/04/21 SW846 8260C	721026460
Volume in broadcast contributions around to the LOD but loss than the LOD subjects and an within a contribution. Consistent of Decode and the LOO subjects and the second se	but loce then the POO and are within a reation of			

values in prackets represent results greater than or equal to the LOU but less than the LOQ and are within a region of "Less-Gertain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect duition and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 MCL = Maximum Contaminant Levels for Drinking Water Samples.

For Terms and Conditions please see www.nlsiab.com

NA = Not Applicable Shaded results indicate >MCI LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

Reviewed by:

d

Authorized by: R. T. Krueger President

-

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060	ANALYTICAL	REPORT	WDNR WDATCP Labora EP	WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/22/21 Page 3 of 4	721026460 Vo. 105-330 o. W100034 Page 3 of 4
Client: Marathon County Solid Waste Mgmnt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754			NL\$ NL\$ Fax: 715 446 2906	S Project: S Customer: Phone: 7	375695 20080 446 3339
Project: Marathon County BRRDF Private Wells (semi-annual) PW8575 NLS ID: 1286310 Matrix: GW Collected: 10/27/21 09:40 Received: 10/27/21	al) October 2021				
Parameter Field color Field odor Field unbidity VIOCo (winsch by CCMAS	Result none detected none detected none detected see attoched	Dilution	LOD LOQ/MCL Analyzed 10/27/21 10/27/21 10/27/21	Method NA NA SVA SVALE 20200	Lab 721026460 721026460 721026460 721026460
sent results greater than or equal to the LOD rtain Quantitation". LOD and LOQ tagged w D) LOD = Limit of Detection %DWB = (mg/kg DWB) / 10000 % intant Levels for Drinking Water Samples.	but less than the LOQ and are wi ith an asterisk(*) are considered R LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	thin a region of "Less-Cert teporting Limits. All LOD/I NA = Not Applicable	LIDON 1 I tain Quantitation". Results greater th LOQs adjusted to reflect dlution and/ Reviewed by:	or solids content.	Authorized by: Authorized by: R. T. Krueger
For Terms and Conditions please see www.nlslab.com				I	
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ry ID No. 721026460 ification No. 105-330 atory ID No. W100034 /22/21 Page 4 of 4 roject: 375695 ustomer: 20080 Phone: 715 446 3339	Lab 721026460	e LOQ are considered Authorized by: R. T. Krueger President
WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330 EPA Laboratory ID No. W100034 Printed: 11/22/21 Page 4 of 4 NLS Project: 375695 NLS Customer: 20080 Fax: 715 446 2906 Phone: 715 446 3339	CL Analyzed Method 11/04/21 NA	the LOQ and are within a region of "Less Certain Quantitation." Results greater than or equal to the LOQ are considered dy an experiment and the solution and/or soluts content. All LOD/LOQs adjusted to reflect durinon and/or soluts content. All DOJLOQs adjusted by: $\mathcal{M} = Act \mathcal{M} = Act Applicable$ Reviewed by: $\mathcal{M} = Act \mathcal{M} = Act Applicable$ Reviewed by: $\mathcal{M} = Act$
Ň	LOD LOQ/MCL	Certain Quantitation" R OD/LOQs adjusted to re Reviewed by:
L REPORT	Dilution	within a region of "Less A Reporting Limits. All L NA = Not Applicable
ANALYTICA	ual) October 2021 Result see attached	D but less than the LOQ and are with an asterisk(*) are considered LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L Shaded results indicate >MCL.
N LAKE SERVICE, INC. aboratory and Environmental Services ake Avenue - Crandon, WI 54520 8-2777 Fax: (715)-478-3060 Marathon County Solid Waste Mgmmt Dept Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	Marathon County BRRDF Private Wells (semi-annual) NLS ID: 1286311 27/21 00:00 Received: 10/27/21 by GC/MS set	Values in brackets represent results greater than or equal to the LOD but less than to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk MD = Not Detected < LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded result For Terms and Conditions please see www.nlslab.com
NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060 Client: Marathon County Solid Waste Mgmnt Attn: Meleesa Johnson Marathon County Landfill R18500 East Highway 29 Ringle, WI 54471 9754	Project:Marathon County ETrip BlankNLS ID: 1286311Matrix: TBCollected: 10/27/21 00:00Collected:10/27/21 00:00ParameterVOCs (water) by GC/MS	Values in brackets represent results greater than or equipted to be in the region of "Certain Quantitation". LOD and I ND = Not Detected (< LOD) LOD = Limit of Detection DWB = Dry Weight Basis %DWB = (mg/kg DWB) MCL = Maximum Contaminant Levels for Drinking Watt <i>For Terms and Conditions please see www.nlslab.com</i>

Sample: 1286308 PW/13. Collected: 10/27/21 Analyzed: 11/03/21 Analyt ANALYTE NAME Benzene Bromodichloromethane Bromonform Bromonform Carbon Tetrachloride Carbon Tetrachloride Chlorobenzene							
ANALYTE NAME Benzene Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene	/21 - Analytes: 43						
Benzene Bromodichloromethane Bromonethane Carbon Tetrachloride Chlorobenzene	RESULT	UNITS	DIL	гор	LOQ	MCL	Note
Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene	QN	ug/L		0.25	0.84	5	
Bromomethane Bromomethane Carbon Tetrachloride Chlorobenzene	QU	ug/i_		0.20	. 0.67	80	
Carbon Tetrachloride Chlorobenzene	CN	ng/L		0.27	19.0	βŪ	
Chlorobenzene	QN	ua/L		0.17	0.55	5	
	DN	ng/L		0.34	1.1	100	
Chloroethane	ND	ng/L	۲.	1.5	5.0		
Chloroform	QN	ng/L		0.24	0.81	80	
Chloromethane		ng/L		0.81	2.7	00	
Juctoritocitud diteurarie 1 2-Dihromo-3-Chlorononane		ng/L		0.20	10.0	00	
1.2-Dibromoethane	ND	ua/L	- 7-	0.20	71		
Dibromomethane	ND	ua/L	•	0.17	0.55		
1,2-Dichlorobenzene	QN	ng/L	-	0.28	0.92	600	
1,3-Dichlorobenzene	GN	ng/L	1	0.28	0.93		
,4-Dichlorobenzene	ΟN	ng/L	-	0.30	0.99	75	
Dichlorodifluoromethane	SD	ng/L	~	0.59	2.0		
,1-Dichloroethane	ND	ng/L	~	0.20	0.66		
2-Dichloroethane		ng/L		0.43	1.4	1 21	
1, 1-UICRIOTOEUTERE	ND.	ug/L	- ~	0.19	0.03	- <u>U</u> 2	
trans_1_2_Dichlornethane		10/1		0.19	0.00	100	
1.2-Dichloropropane	QN	ua/L	•	0.16	0.54	5	
cis-1,3-Dichloropropene	ND	ug/L	1	0.16	0.53		
trans-1,3-Dichloropropene	CN	ng/L	1	0.24	0.81		
Ethylbenzene	QN ND	ng/L	. 1	0.33	1.1	700	
Methylene chloride	QN	ng/L		0.61	2.0	£	
Naphthalene	Q	ug/L	4	0.66	2.2		
Styrene	Q	ng/L	-	0.40	1.3	100	* _
ortho-Xylene	ON.	ug/L	, ,	0.38	2 T	L	
l etrachloroethene		ug/L	- ,	0.34	1.1	G 0007	-
I oluene		ng/L		0.13	0.35	200	
1, 1, 1-1100100000000 1 1 0-Trickhoroathana		10/1		0.16	0.52	2	
richfornethene	QN	ng/L		0.35	1.2	5	
Trichlorofluoromethane	QN	ng/L	-	0.22	0.75		
Vinvl chloride	DN	ug/L	1	0.14	0.47	.2	
meta, para-Xylene	DN .	ug/L	7	0.70	2.3	10000	
MTBE	QN	ug/L	÷	0.41	1.4		
Acetone	[29]	ng/L		13	44		- -
Carbon Disulfide	QN	ng/L	~	0.17	0.57		
Methyl Ethyl Ketone		ug/L	-	7.7	0.r		
Tetrahydrofuran	UN	ng/L	- -	1./	0.0		U
Dibromofluoromethane (SUKK)	90%						00
1 Oluerre-uo (SUNN) 1 - Bromo-A-Elinorohenzene (SLIRR)	07001						ວ ເ

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Project Title: October 2021 Template:	9: APP3 Printed: 11/22/2021 08:11		- I CO. I I		-		
Sample: 1286309 PW26 Collected: 10/27/21 Analyzed: 11/04/21 - Analyt	lytes: 43					い、「小学校の主要がある」で	
ANALYTE NAME	RESULT	STINU	DIL	ГОР	LOQ	MCL	Note
Benzene	DN	ng/L	1	0.25	0.84	Ð	
Bromodichloromethane	QN	ug/L	٢	0.20	0.67	80	
Bromoform	QN	ug/L	۲	0.27	0.91	80	
Bromomethane	DN	ug/L	1	0.87	2.9		
Carbon Tetrachioride	QN	ng/L	~	0.17	0.55	5	
Chlorobenzene	Q	ng/L	,	0.34		100	
Chloroethane	CIN .	ng/L		1.5	5.0		
Chlorotorm		ng/L	- ,	0.24	0.81	80	
Uniorometriane		ng/L	-	0.81	2.1		
	ND	ng/L	~	0.20	0.67	80	
1, 2-Dipromo-3-Unioropropane	UN	ng/L		0.36	1.2		
1,2-Diprotectiane Dihamamathama	ON NO.	no.n	-	17.0	0.71		
nu virioritetitette 2 Disklanskansas	ND	ug/L		/1.0	0.00	000	
Z-UICNIOTODENZENE		ng/L		0.28	0.92	600	
1, J-Dichlorobenzene		ng/L	- -	0.28	0.93		
1,4-DICITIOLOUGETZETTE Dicklorodiffuoromothono		ug/L		0.50	0.22	c/	
iciliorulituulurrenarie	ND	ug/L	-	0.08	0.2		-
1, 1-Dictifictoethene	UN NID	ug/L ug/I		0.42	0.00	u	
1,2-Dichloroethane		10/I		010	0.63	2	
ri, r-Dichlornethene cis_1 2_Dichlornethene	DN DN	1/0/1		0.20	0.66	20	
trans-1.2-Dichloroethene	ND	na/L		0.19	0.64	100	
1,2-Dichloropropane	QN	ng/L	~	0.16	0.54	5	
cis-1,3-Dichloropropene	ND	ng/L	.	0.16	0.53		_
trans-1,3-Dichloropropene	ON ND	ng/L	۴	0.24	0.81		
Ethylbenzene	QN	ug/L	۲-	0.33	1.1	700	
Methylene chloride	Q	ug/L	~~	0.61	2.0	5	
Naphthalene	Q	ug/L	~ .	0.66	2.2		
Styrene	ON .	ng/L		0.40	1.3	100	
ortho-Xylene		ng/L		0.38	1.0		
l etrachloroethene		ug/L /I		40.0	1.1	0001	
l oluene 4 4 4 Trichlorrothono		ug/L	- -	0.43	0.35	200	-
1, 1, 1-1 IIGNOUCHURIUE		1/01	-	0.16	0.52		
, 1, 2-11101101054118115 Trichtfornathana	CN	10/1		0.35	12	о гс	
Lichloroflioromethane	QN	na/L		0.22	0.75		-
Vinvi chloride	QN	· ua/L		0.14	0.47	.2	-
meta para-Xvlene	QN	ng/L	~	0.70	2.3	10000	
MTBE	DN	ng/L	1	0.41	1.4		
Acetone ·	DN	ng/L	1	13	44		
Carbon Disulfide	Q	ug/L	-	0.17	0.57		
Methyl Ethyl Ketone	DN	ug/L	~	2.7	9.0		
Tetrahydrofuran	QN	ug/L	-	1.7	5.5		
Dibromofluoromethane (SURR)	108%						s
Toluene-d8 (SURR)	115%						» «

Project Description: Marathon County BRRDF Private Wells Project Title: October 2021	Private Wells (semi-annual) Template: APP3 Printed:	ed: 11/22/2021 08:11	1 .00.1				
Sample: 1286310 PW85/5 & Collected 10/27/21 Analyzed: 11/04/21 Ana	111/04/21 - Analytes: 43						
ANALYTE NAME	RESULT	UNITS	DIL	гор	LOQ	MCL	Note
Benzene	DN	ng/L	1	0.25	0.84	5	
Bromodichloromethane	DN	ng/L	1	. 0.20	0.67	80	
Bromoform	QN	ug/L		0.27	0.91	80	
Bromomethane	QN	ug/L		0.87	2.9		
Carbon Tetrachloride	QN	ug/L		0.17	0.55	5	
Chlorobenzene	QN	ng/L	~	0.34	1.1	100	
Chloroethane	QN	ng/L	-	1.5	5.0	-	
Chloroform	Q	ug/L	~	0.24	0.81	80	
Chloromethane	QN	ng/L		0.81	2.7		
Dibromochloromethane	QN	ug/L	T	0.20	0.67	80	
1,2-Dibromo-3-Chloropropane	Ŋ	ng/L	~-	0.36	1.2		
1,2-Dibromoethane	DN	ng/L	~ ~~	0.21	0.71		
Dibromomethane	QN	ug/L		0.17	0.55		
1,2-Dichlorobenzene		ng/L	۲	0.28	0.92	600	
1,3-Dichlorobenzene	ND	ng/L	1	0.28	0.93		
1,4-Dichlorobenzene	ND	ug/L	۲.	0.30	0:99	75	
Dichlorodifluoromethane	ND	ng/L		0.59	2.0		
1,1-Dichloroethane		ng/L	~	0.20	0.66		
1,2-Dichloroethane	ND	ng/L		0.43	1.4	5	
1,1-Dichloroethene	Ň	ug/L	-	0.19	0.63	7	
cis-1,2-Dichloroethene	NDV	. ug/L	~	0.20	0.66	70	
trans-1,2-Dichloroethene		ng/L	, ,	0.19	0.64	100	
1, Z-Dicnioropropane		ng/L	-	0.16	0.54	5	
cis-1, J-Dicritoropropene		ug/L.	-	0.10	0.53		
	ND	ug/L		0.74	1.8.1		-
		ug/L	- -	0.00	- 0	00/	
		ug/L	- -	10.0	0.7	0	
Napruraerie Stimono		ug/L		0.00	7.7	001	
ortho-Xylana	CIN	10/1		0.10	5 4	001	
Tetrachlornethene		ug/E	-	0.34	- -		
Toluene	QN	na/L		0.29	0.98	1000	
1,1,1-Trichloroethane	QN	ng/L	÷	0.11	0.35	200	
1,1,2-Trichloroethane	GN	ng/L	1	0.16	0.52	5	
Trichloroethene	DN	ng/L	÷	0.35	1.2	£	
Trichlorofluoromethane	QN	ng/L	-	0.22	0.75		
Vinyl chloride	Q	ng/L	-	0.14	0.47	.2	
meta,para-Xylene	QN	ng/L	-	0.70	2.3	10000	
MTBE	QN	ug/L	~	0.41	1.4		
Acetone	QN	T/bn	+-	13	44	5 - - - - - - - - - - - - 	
Carbon Disulfide	QN	ug/L	-	0.17	0.57		
Methyl Ethyl Ketone	QN	ng/L	~	2.7	9.0		
Tetrahydrofuran	QN	ug/L		1.7	5.5		
Dibromofluoromethane (SURR)	105%		• •				s
Toluene-d8 (SURR)	112%						× v
	200						,

Project Description: Marathon County BRRDF Private Wells Project Title: October 2021 Template: A	(semi- PP3	annual) Printed: 11/22/2021 08:11	21 08:11					
Sample: 1286311 Trip Blank Collected: 10/27/21 Analyzed: 11/04/21 - Analytes: 43	1/04/21 - Analytes: 43							
ANALYTE NAME	RESULT	UNITS	DIL	гор	LOQ	MCL	Note	
Benzene	ΠΝ	ng/L	۲-	0.25	0.84	5		
Bromodichloromethane	QN	ng/L	7 ~	0.20	0.67	80		
Bromoform	QN	ng/L		0.27	0.91	80		
Bromomethane	QN	ng/L	₹	0.87	2.9			
		ng/L		0.17	0.55			
Chlorodenzene Chlorodthana		1/C		0.34	1.1	100		
Chloroform		ng/L un/l	-	C.1	0.0	Ca		
Chloromethane	QN	1/0/1		0.81	0.0	00		
Dibromochloromethane	ND	na/L		0.20	0.67	80		
1,2-Dibromo-3-Chloropropane	ND	ng/L		0.36	1.2			
1,2-Dibromoethane	DN	· ng/L	-	0.21	0.71			
Dibromomethane	ND	ug/L	-	0.17	0.55			
1,2-Dichlorobenzene	ND	ng/L	-	0.28	0.92	600		
1,3-Dichlorobenzene	QN	ug/L	-	0.28	0.93			
1,4-Dichlorobenzene	ND	ng/L	~	0.30	0.99	75		
Dichlorodifluoromethane	ΟN	ng/L	~	0.59	2.0			
1,1-Dichloroethane	QN	ng/L	~	0.20	0.66			
1,2-Dichloroethane	ND	ng/L	~	0.43	1.4	5		
1,1-Dichloroethene	ND	- ng/L	~	0.19	0.63	7		
cis-1, z-Dichloroethene		ng/L	- ,	0.20	0.66	0/		
traits-1,z-Dictitoroetrere		ug/L	- -	0.10	0.04	001		
1, z-Diciliopioparie		-1/6n	- +	0.10	0.54	0	_	
tione 1.3 Dichloronronana		101		0.10	0.00			
LI ALIS- 1, S-U/UII/U/U/U/U/U/U/U/U/U/U/U/U/U/U/U/U/U		1/01		0.33	10,0	002		
Lurywenzene Mathvlana chlorida	QN	10/I	- ~	0.53	00	202		
Nanhthalana	CN	10/1		0.66	2.2	>		
Styrene	QN	ua/L		0.40	13	100		
ortho-Xvlene	QN	ua/L	۲	0.38	1.3			
Tetrachloroethene	DN	ug/L	-	0.34	1.1	5	-	
Toluene	QN	ng/L	┯	0.29	0.98	1000		
1,1,1-Trichloroethane	QN	ng/L		0.11	0.35	200		
1,1,2-Trichloroethane	Q	ng/L	.	0.16	0.52	ں م		
Trichloroethene	QN	ng/L	• •	0.35	1.2	5		
Trichlorofluoromethane	<u>GN</u>	ng/L		0.22	0.75	c		
Vinyl chloride		ng/L	-	0.14	0.47 0.0	7.0001		
meta,para-Xylene		ng/L	_	0.70	2.2	00001		
MTBE		ng/L	,	0.41	1.4			
Acetone	(IN)	ug/L		13	44			
Carbon Disulfide	ON .	ng/L		1.1/	/0.0			
Methyl Ethyl Ketone		ng/L			0.U			
Tetrahydroturan		ng/L		1.7	0.0		c	
Dibromofluoromethane (SURR)	104%		-				n	
Toluene-d8 (SURK)	109%						n	
1.4.Kromo-4-Flitorohenzene (SIIKK)	108%						<i>r</i> .	

SITE: Marathon Co. Solid Waste Management Dept. / BRRDF – Private Wells 1A

				Time Purged:	Color:	Odor:	Turbidity (quan	it,text,color):
LS Lab #: P	oint Name / Homcowne	: PW11	DNR-1D #: 027			ND	NE	
2810308	William Ka R222780 Duncan I	isten		5 Min	·NQ	NE		reated (Y/N):
ate Sampled: 1	Time Sampled: S	Sample Location:	. /	211				N
	0750	FRI	of the ot	Ctokse.				
comments:								
EPTH OF WATER_	23.82							
EPTH OF BOTTOM	36.80							
						and the second second second second second second second second second second second second second second second		
/13: South house fauce		an des fan de sen de la fan de sen						
							NAMES OF TAXABLE PARTY.	
			DNR ID #:	Time Purged:	Calor:	Odor:	Turbidity (qui	int,text,color):
NLS Lab #: 1	Point Name / Homcown	er: PW26	029	,	VIS	ND	NO	
ZA	James Glod R222470 Duncan	Road, Hatley		Smin	10.00	1 10 10		Treated (Y/N):
Date Sampled:	Time Sampled:	Sample Location:		ot old	House	2		NV.
10.27.21	0925	5	DEC	1 029				
Comments:								
		dura mell own	er mav Wal	t us to purge litt	e or no wate	r before samp	ling)	MARKING THE REAL
<u>As of 11/06: Ki</u>	tchen Sink (hand	aug wen, own						
					Color:	Odor:	Turbidity (q	unnt,text,color):
NLS Lab #:	Point Name / Homeow	vner: PW8575	DNR ID #: 367	1.		DD	17	2
211)	Jerry and Ki	rista Bates	001	Smid	· ND		~ ~ I	Treated (Y/N
510	R221615 Si Time Sampled:	Sample Location:		0 1	FALA			N
Date Sampled:	0940	FRE	ont P	f House	PAG			l
10.77.21 Comments:	0110							
Comments:								
-	• •							
Outside faucet side of	house		CONTRACTOR OF THE OWNER		NAMES OF TAXABLE PARTY AND DESCRIPTION OF TAXABLE PARTY AND DESCRIPTION OF TAXABLE PARTY AND DESCRIPTION OF TAX	an an an an an an an an an an an an an a		
B:311	• •					Odor:	Turbidity	(qunnt,text,color)
A REAL PROPERTY AND ADDRESS OF TAXABLE PARTY.	Point Name / Homeo	wner:	DNR ID #	: Time Purged:	Color:	Outr.		
NLS Lab #:	Trip Bl	ank	999					
	Time Sampled:	Sample Location:	<u>l</u>	•				
Date Sampled:	rime sampreus						l	
·		<u> </u>						
Comments:								
							and the second second second second second	
						See reverse side for	sample custody infor	mation
Rev 10/1						See reverse side for	sample custody infor	mation

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The following information applies to samples on the reverse side of this sheet.

Date <u>10-27-21</u>	Date		
Crew Chief ////////Crew	<u><i>C.F.ae.</i></u> Crew Chief Crew		·····
·······	<u>2000000000000000000000000000000000000</u>		
	· · · · · · · · · · · · · · · · · · ·		
	SAMPLE COLLECTION COM	MENTS	
• •			
	· ·		
	SAMPLE CUSTODY		
LINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/T:	ME
CEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.

REMARKS & OTHER INFORMATION