

Mr. Michael Belveg New York State Department of Environmental Conservation (NYSDEC) Region 7 Office Division of Environmental Remediation 615 Erie Boulevard West Syracuse, NY 13204

August 30, 2022

Subject: Stauffer Management Company, LLC – Maestri Site NYSDEC Site No. 7-34-025 900 State Fair Boulevard Town of Geddes, NY

Dear Mr. Belveg:

Arcadis on behalf of Stauffer Management Company, LLC (SMC), is submitting the enclosed 2022 Semi-Annual Groundwater Monitoring Report-May 2022 for the Maestri Site.

If you have any questions or concerns, please do not hesitate to contact me at 315-671-9296 or <u>Rebecca.Hensel@arcadis.com</u>.

Sincerely,

Arcadis

Rebecca Hensel Project Manager

cc: John-Paul Rossi/Stauffer Management Company, LLC Victor Finocchiaro/Arcadis



Stauffer Management Company

2022 Semi-Annual Groundwater Monitoring Report – May 2022

Maestri Site, Geddes, NY NYSDEC Site: 7-34-025

August 2022

Contents

Ac	cronyms and Abbreviations	. ii
1	Introduction	. 1
2	Background and Site Description	. 1
3	Groundwater Monitoring	. 2
	3.1 Groundwater Elevations	. 2
	3.2 Groundwater Sampling	. 2
4	Groundwater Analysis and Results	. 2
5	Site Inspections	. 3
6	Conclusions and Next steps	. 3
7	Reference	. 3

Tables

Table 1. Summary of Groundwater Level Measurements

Table 2. Summary of Total Xylene Concentrations in Groundwater

Figures

- Figure 1. Site Location Map
- Figure 2. Site Plan
- Figure 3. Groundwater Elevation Contour Map

Appendices

- Appendix A. 2022 NYSDEC April 18, 2022 Periodic Review Report Approval Letter
- Appendix B. Sampling Forms
- Appendix C. Laboratory Reports
- Appendix D. Data Validation Reports
- Appendix E. Total Xylene and Groundwater Elevation Trend Graphs

Acronyms and Abbreviations

µg/l	microgram per liter
Arcadis	Arcadis U.S., Inc.
NYSDEC	New York State Department of Environmental Conservation

www.arcadis.com

Offsite Locations	Monitoring locations downgradient from the Site and outside of the fenced area
Site	The completely fenced in area located at 904 State Fair Blvd, Onondaga County, Town of Geddes, New York
SMC	Stauffer Management Company
SMP	2011 Site Management Plan
SOW	Scope of Work
Technical Memo	2021 NYSDEC Response Letter
VOC	Volatile organic compound

1 Introduction

This Semi-Annual Groundwater Monitoring Report has been prepared by Arcadis U.S., Inc. (Arcadis) on behalf of Stauffer Management Company (SMC). SMC entered into an Order on Consent with the New York State Department of Environmental Conservation (NYSDEC) to investigate and remediate contaminated media for the Maestri Site, which is an approximately 4.4-acre area located at 904 State Fair Boulevard Onondaga County, Town of Geddes, New York (Figure 1). The portion of the Site that is still currently monitored is approximately 2.5 acres and completely fenced. The Site area is bordered by an empty lot and State Fair Boulevard to the southwest, residents along Alhan Parkway to the Northeast, and wooded lots to the northwest and southeast. Additionally, there are offsite monitoring locations downgradient from the Site and outside of the fenced areas. The Site and offsite locations are shown in Figure 2.

The purpose of this report is to summarize the semi-annual groundwater monitoring event that was completed in May 2022. This report is in accordance with the 2021 NYSDEC Response Letter (Technical Memo) and in compliance with the 2011 Site Management Plan (SMP) (Envirospec Engineering, PLLC 2010). The Site has been remediated by SMC under Order on Consent Index # A7-0226-90-03 with the New York State Department of Environmental Conservation (NYSDEC).

2 Background and Site Description

Refer to the 2021 Semi-Annual Groundwater Monitoring report for further background and site description. Based on groundwater monitoring results in November 2009, SMC requested NYSDEC approval to change the groundwater sampling frequency from quarterly to semiannual. On November 13, 2009, the NYSDEC granted the request. Subsequently, the SMP was approved in 2011 by the NYSDEC for monitoring activities at the Maestri Site. The 2011 NYSDEC approved SMP was prepared in accordance with the requirements in NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation, dated December 2002, and the guidelines provided by the NYSDEC. This SMP addresses the means of implementing the Institutional Controls and Engineering Controls that were required by the Declaration of Covenants and Restrictions for the Site.

In October 2020, SMC requested approval from the NYSDEC to reduce the semi-annual sampling requirements of RW-3, RW-5, and RW-8 due to a history of low to non-detections of xylenes. SMC also requested approval from the NYSDEC to remove PZ-4 from the semi-annual monitoring program due to inaccessibility and there being other downgradient wells.

Pursuant to the 2021 Periodic Review Report (PRR) that was approved on April 18, 2022 (Appendix A), groundwater monitoring wells PZ-4, RW-3, RW-5 and RW-8 were removed from the monitoring program. Well PZ-4, as documented in the 2021 PRR, could not be located. Monitoring Wells RW-3, RW-5, and RW-8 are planned to be decommissioned in accordance with NYSDEC Commissioner Policy 43: Groundwater Monitoring Well Decommissioning Policy. Prior to decommissioning, SMC collected a final round of groundwater samples as part of the May 2022 event. The results were non-detect and planning to properly decommission will move forward.

3 Groundwater Monitoring

3.1 Groundwater Elevations

The first 2022 semi-annual groundwater monitoring event was conducted from May 24 through 25, 2022. Twentyfour monitoring wells were gauged on May 24, 2022, while purging and sampling took place at nine monitoring wells from May 24 through 25, 2022. The groundwater elevations are presented in Table 1 and Figure 3 and are consistent with historical results.

3.2 Groundwater Sampling

During the first 2022 semi-annual groundwater monitoring event, nine monitoring wells were sampled in accordance with the Technical Memo and the Site SMP.

As per the April 18, 2022 NYSDEC approval letter (Appendix A), all monitoring well locations were purged using low-flow techniques.

Monitoring wells were purged with a two-inch submersible pump and polyethylene tubing. Purged water was containerized in a mobile polyethylene tank. The containerized water is temporarily stored within the fenced Site area and will be later transported to a regulated disposal facility for disposal. Field data, including pH, temperature, conductivity, turbidity, oxidation-reduction potential, dissolved oxygen, and total dissolved solids, were recorded during purging. A summary of the field data and the total volume of groundwater purged can be found in the monitoring well sampling logs that are presented in Appendix B.

Field Quality Assurance/Quality Control samples were collected at a rate of one set for every 20 and consisted of a blind duplicate, and matrix spike/matrix spike duplicate. Additionally, for each day of sampling a trip blank and equipment blank were collected and analyzed. Samples were sent to Eurofins TestAmerica in Buffalo, New York (NY), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program certified laboratory. The groundwater analytical samples were analyzed following typical chain of custody procedures for Xylene analysis using United States Environmental Protection Agency Method 624.1. A summary of total xylene results from this sampling event is presented in Table 2 and the laboratory reports are included as Appendix C.

Due to laboratory scheduling issues and hold times the samples were analyzed by the Eurofins TestAmerica in Buffalo, NY opposed to the Eurofins TestAmerica in Edison, New Jersey (NJ). The change in laboratories resulted in higher reporting limiting which in some cases are greater than the site-specific cleanup goals. Although the reporting limit is greater than the site-specific cleanup goals, the method detection limits were less than the site-specific cleanup goals. The method detection limits are indicating that non-detect results are less than the cleanup goals, which is consistent with historical results. All future analysis will be completed by the Edison, NJ laboratory in an effort to keep reporting limits less than the site-specific cleanup goals.

4 Groundwater Analysis and Results

Arcadis conducted data validation of the laboratory reports to confirm the analytical data is of sufficient quality for usage. The data review reports containing the data validation details are included as Appendix D. The review

www.arcadis.com

was conducted as a Tier III evaluation and included review of 100% of the data packages for completeness. The data review found all data quality acceptable for use.

Of the nine locations that were sampled, MW-2A, and MW-9 exceeded the site specific cleanup goal with concentrations reported of 420 J μ g/L and 640 μ g/L for total xylenes. Results are summarized in table 2 and appear consistent with historical results. Total xylene concentrations historically indicated seasonal fluctuations across semi-annual monitoring events, specifically in RW-6, MW-2A, RW-7, and MW-9. Trend graphs show historic results of the total xylenes versus groundwater elevations and are shown in Appendix E.

5 Site Inspections

According to the Site Management Plan dated August 2010, Site inspections are to be completed annually. The Site inspection will be completed during the November 2022 event.

6 Conclusions and Next steps

SMC will move forward with properly decommissioning wells RW-3, RW-5, and RW-8 pursuant to the 2021 PRR and approval.

The next semi-annual sampling and Site inspection will be completed in Autumn 2022. Upon completion of the Autumn 2022 sampling and inspection event a semi-annual groundwater monitoring report will be submitted.

7 Reference

Envirospec Engineering, PLLC. 2010. *Site Management Plan,* Maestri Site, Onondaga County, New York, NYSDEC Site Number: 7-34-025. Prepared for Stauffer Management Company. August.

Tables

TABLE 1 SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS 2022 SEMI-ANNUAL MONITORING REPORT - MAY 2022 MAESTRI SITE GEDDES, NEW YORK

		May 24, 2022					
	Top of Casing Elevation	Depth to Water	Groundwater Elevation				
Designation	(ft msl)	(ft)	(ft msl)				
MW-2A	406.40	12.63	393.77				
MW-9	408.87	12.09	396.78				
MW-10	413.82	8.23	405.59				
MW-14	405.17	15.90	389.27				
PZ-2	407.23	11.38	395.85				
PZ-3	409.60	11.45	398.15				
PZ-5	393.37	5.47	387.90				
PZ-6	410.15	11.40	398.75				
PZ-7	409.13	11.68	397.45				
PZ-9	408.69	11.24	397.45				
PZ-10	407.04	10.47	396.57				
PZ-12	408.17	13.11	395.06				
PZ-13	407.12	12.64	394.48				
PZ-14	408.44	11.58	396.86				
PZ-15	406.74	17.30	389.44				
PZ-18	406.30	17.75	388.55				
PZ-19	406.88	17.51	389.37				
PZ-20	386.00	5.57	380.43				
PZ-21	386.70	2.24	384.46				
RW-3	407.01	18.40	388.61				
RW-5	409.18	11.00	398.18				
RW-6	393.64	5.27	388.37				
RW-7	405.76	17.31	388.45				
RW-8	406.81	12.45	394.36				

Notes:

Groundwater Elevation is determined using the following formula: (Top of Casing Elevation - Depth to Water).

Monitoring well MW-2A was formerly known as RW-2 in 2006.

Top of Casing Elevation and Ground Water Elevation are in units of feet mean sea level (ft msl).

TABLE 2 SUMMARY OF TOTAL XYLENE CONCENTRATIONS IN GROUNDWATER 2022 SEMI-ANNUAL MONITORING REPORT - MAY 2022 MAESTRI SITE GEDDES, NEW YORK

Sample Na Date Collect Lab Sample	ne: Site Specific ed: Cleanup Goals ID: (µg/L)	MW-2A 5/24/2022 480-198348-6	MW-9 5/24/2022 480-198348-7	PZ-20 5/25/2022 480-198348-8	PZ-21 5/25/2022 480-198348-9	RW-3 5/24/2022 480-198348-1
Volatile Organic Compound	5					
Xylenes, Total	5	420 J	640 [620]	<10	<10	<40
		1				1
Sample Na	ne: Site Specific	RW-5	RW-6	RW-7	RW-8	
Date Collect	ed: Cleanup Goals	5/25/2022	5/25/2022	5/24/2022	5/25/2022	
Lab Sample	ID: (µg/L)	480-198348-2	480-198348-3	480-198348-4	480-198348-5	
Volatile Organic Compound	; ;					
Xylenes, Total	5	<10	2.8 J	<10	<10]

Notes:

All analytical results are in micrograms per liter (µg/L).

All samples were analyzed by Eurofins TestAmerica in Buffalo, NY. Lab issue caused the samples to be analyzed in Buffalo, NY opposed to Edison, NJ. Bold value and shading denotes that the concentration exceeded site specific cleanup goals.

Site specific cleanup goals are based on the site remedial action objectives from the 2011 Site Management Plan.

< = Constituent is not detected; the associated value is the reporting limit. Although the reporting limit is above the site specific cleanup goals, the</p>

results were analyzed to the method detection limit which is below the site specific cleanup goals.

[] = Indicates field duplicate sample result

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

Figures







- NOTES:
- 1. BASE MAP SUPPLIED BY IT CORPORATION. SURVEY BY CT MALE, 2008.
- 2. FEATURES AND LOCATIONS ARE APPROXIMATE.

LEGEND ----- MAESTRI SITE PROPERTY BOUNDARY - × - 8' HIGH SECURITY FENCE C. ELECTRIC POLE - OHE ---- OVERHEAD ELECTRIC LINE MONITORING WELL **-**REMOVED MONITORING WELL 9 RECOVERY WELL PIEZOMETER









2022 NYSDEC April 18, 2022 Periodic Review Report Approval Letter

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation 625 Broadway, 11th Floor, Albany, NY 12233-7020 P: (518)402-9543 | F: (518)402-9547 www.dec.ny.gov

April 18, 2022

Stauffer Management Company LLC John-Paul Rossi 1800 Concord Pike P.O. Box 15437 FOP 3-415 Wilmington, DE 19850-5437

Re: Site Management Periodic Review Report Response Letter

Maestri Site, Site No.: 734025 Solvay, Onondaga County

Dear John-Paul Rossi:

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for the following period: January 15, 2021, to January 15, 2022.

The Department hereby accepts the PRR and associated Certification with the following modifications:

- Section 6 Plans Moving Forward, Second Bullet Monitoring location MW-2A shall continue to be sampled biannually for another reporting period using the low-flow sampling technique.
- 2. Section 6 Plans Moving Forward, Third Bullet Groundwater monitoring shall continue to be sampled biannually in the second and fourth quarters for another reporting period using the low-flow sampling technique.

The frequency of Periodic Reviews for this site is one year; therefore, your next PRR is due on February 14, 2023. You will receive a reminder letter and updated certification form approximately 75 days prior to the due date. Regardless of receipt or not, of the reminder notice, the next PRR including the signed certification form, is still due on the date specified above.

If you have any questions, or need additional forms, please contact me at 315-426-7446 or e-mail: michael.belveg@dec.ny.gov.

Sincerely,

Michael Belveg

Michael Belveg Project Manager



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

625 Broadway, 11th Floor, Albany, NY 12233-7020 P: (518)402-9543 | F: (518)402-9547 www.dec.ny.gov

ec:

Gary Priscott, DEC James Sullivan, DOH Project Manager Rebecca Hensel, Arcadis





Sampling Forms

AstraZeneca - Maestri Site Gauging Log

Date:

5/24/2022

Task:

0

Complete By: JT6

Maestri Site Groundwater Monitoring												
Well I.D.	Time	Depth to Water (BTIC)	Depth to Product	Depth to Bottom	r Notes							
		Monitorir	ng Wells and P	iezometers								
MW-9	1075	12.09	_	18.79	НВ							
MW-10	0929	8.23		20.64	FB							
MW-14	0932	15.90	_	47.53	5B							
PZ-2	1011	11.38	-	20.37	SB							
PZ-3	1044	11.45		22.73	SB							
PZ-5	1213	5.47		18.95	SB							
PZ-6	1048	11.40	-	22.28	SB							
PZ-7	116	11.68		25.08 \$	# SB							
PZ-9	1033	11.24		22.58	FB							
PZ-10	1030	10.47		21.57	SB							
PZ-12	1238	13.11)	+ 21.62 #	* sB							
PZ-13	1020	12.64	-	20.64	Cabled MW-18 SB							
PZ-14	1008	11.58	-	24.23	SB							
PZ-15	1006	17.30	-	23.48	'5B							
PZ-18	0949	17.75	-	24.55	SB							
PZ-19	1000	17.51	-	22.70	# 5 8							
PZ-20	1203	5.57		19.71	# SB							
PZ-21	1200	2.24	-	18.77	SB							
MW-2A (formerly	1027	12.63	-	23.03	# 5B							
KW-2)		10.10		70.00								
RW-3	0937	18.40		27.43	58							
RW-5	1036	11.00	-	25.94	# 5B							
RW-6	1215	5.27	-	19.08	SB							

RW-7	1218	17.31		28.03 #	<r< td=""></r<>
	Time	Depth to Water (BTIC)	Depth to Product	Depth to Bottom	Notes
RW-8	1150	12.45	~	25.82	NO CAP SB
MW-11	1233	22.10	مــــ	41.38 #	SB
MW-12	1231	8.30	_	20.53	SB
MW-13	0932	15.96		47.53 #	SB
RW-4	10:14	12.74	-	23.69	SB
					and the second
				and the second second second	Ar VII .
					A REALT
				and the second	L. L. K. The
		- 11	and a surface second		
		1			
			L. L.		ALSO LITE
					1
		· · · · · · · · · · · · · · · · · · ·			
					isonal 2
		n an			
		11 Juni - 14			

'Top of Casing elevation was measured from the highest point of the PVC riser within the well protector.

²Yellow highlight denotes where the difference in elevation between groundwater measured inside of piezometer (inside of wall) and the top of the vertical barrier wall is less than 1 foot.

^aThe minimum difference in elevation required, for vertical barrier wall effectiveness, between ground water and the top of the vertical barrier wall is (+)1 foot..

A	ARCADIS	5							Page	1	of	1				
N	Maestri S	Site Semi	-Annual	Event					Well ID:	M	w-2	A				
F	Project Nur	nber:	3	30120984		Task:	61									
C	Date:		5/20	122	Well Headspace PID:						-					
S	Sampling T	ime:	1.	1500 Sampled By:												
١	Weather:		73°F	SUNN	4	Coded	Replicate No.:									
			,	· .		Replicate	Type (circle one):	-Duplicate	MS/MS							
	Instrument	Identificatio	on													
E	Serial #:5	0077	PID					Water Quality	Meter(s)	121	Proc	55				
	Purging Inf	ormation														
	Casing Ma	terial:		Ster	e		Purge Method: (circle one) Submersible Centrifugal Bladder									
(Casing Diameter:			8'' in			Screen Interval:	From:	386.8	6 To: 3	396.3	86				
			2	23.03	ft		Pump Intake Se	etting:	390	C	6.5	(\cdot)				
[Depth to Pr	oduct:		()	ft											
[Depth to Water:			12.6	3 ft		Total Volume P	urged:	27	921.						
	Water Column:		18.4	ð ft		Pump on:	1343	Off:	NEUS	nu						
(27.13	s gal				1	458	9					
F	Field Paran	neter Meas	urements T	aken Durir	ng Purging						- 10 - L	t _p .				
	T	Minutes	Rate	Depth to	Turbidity	pН	ORP	Conductivity	Temp	DO	TDS					
ŀ	l ime	Elapsed Stabili	(ml/min) zation Range	Vater	(NTUs)	(SI Units)	(mV)	(MS/cm)3	(°C)	(mg/L)	(mg/L)	Comments				
	1345	(2)	1998	12.69	7.37	7.57	- 90 7	3%	3%	10%		0				
ľ	1350	5	1660	17.77	7.67	7.48	-100 9	1.724	7.6	0.00	-	2.1-112				
ŀ	13.55	10	2200	12.95	2.71	7.46	-147 0	1.469	7.1	0.59	-					
h	1400	15	2200	12.13	7.30	7.37	-107 3	1.408	9.1	0.45	_	7.69				
Ť	ILINE	20	2700	12 30	2.19	724	- 1011 1	1.475	0.1	0.75	-	1.19				
ť	1415	25	2740	12.41	6.11	1.20	104.6	1.916	7.0	0.90		109				
ŀ	1910	20	2200	13.91	1 02	7.40	-103.7	1.416	9.0	0.38	-	12.9				
ŀ	1475	30	0033	13.34	1.76	7.11	101.6	1186	4.1	0.38	-	15.8				
ŀ	1920	30	2200	13.61	1.72	1.91	-107.9	1.442	9.0	0.38	-	18.7				
ŀ	19 63	40	2200	13.19	1.82	7.40	-108.1	1.503	9.0	0.37	-	21.6				
ŀ	1430	45	2200	13.88	2.30	7.42	- 48.7	1.487	9.1	0.38	-	24.5				
⊦	1935	50	900	13.91	1.95	1.37	- 105.9	1.474	10.3	0.38	-	25.0				
┝	1440	55	400	13.95	2.28	7.39	-708.4	7.477	9.5	0.36	-	25.5				
	1945	60	400	13.96	2.58	7.39	-108.7	1.482	9.5	0.35		26.0				
	1450	65	400	1396	2.51	7.40	-110.4	1.484	9.4	0.35	-	26.5				
긠	1500	70	400	13.97	2.44	7.40	-111.3	1.491	9.5	0.35	-	27.0				
ッ	Number	and Type	of Bottle		Analyti	cal Param	eter	Preser	vative		Colle	ected				
	3 - 40 mL Glass Vial		s Vial		VOC	s - Xylene	S	Н	CL	r	isla	SD VES				
										1.1.1.1						
ſ					- 4											
1					1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		and a second									

clea None

Good 55gal. Drum

	9							Page	1	of	1		
Maastri	Cito Comi	Annual	Event						D				
Broject Nu	Sile Seim	-Annual			Took			The second secon		w-5			
	mber.		50120984	122	TASK.	01	Well Hear	Ispace PID:	A	-			
Sampling 1	Time:	3	101	7	Sample	d By:							
Weather:	rine.	7705	181	0/11/10	Coded	Replicate No :	216						
weather.		13-0-	20m/	C 1008 5	Replicate		Dunlicato	+13/113	(P)				
Instrument	t Identificatio	n			Replicate	Type (circle one).	Dupnoate		0				
Serial #:	Scrial #: 50077 PID Water Quality Meter(s) VSI Pro DSS												
Purging Information													
Casing Ma	aterial:		Stee			Purge Method:(circle one) Subm	ersible Centri	fugal Bladde	er 🛹 🖌	5 03		
Casing Dia	ameter:		6"	in		Screen Interval:	From:	0. 5.0	To: .	6	5,05		
Depth to P	roduct:	6	21.43	tt ft		Pump Intaké Se	etting:	22	.00				
Depth to V	/ater:		0 UA	Π #				12 5					
Water Colu	umn:		9.07) ft		Pump on		0# 1	gali				
Gallons in	Well:		13.7	nal		Pump on:	(1.07	011	016				
Field Deres				p gai									
Field Paran	Minutes	Bate	aken Durir	ng Purging				_		700			
Time	Elapsed	(ml/min)	Water	(NTUs)	(SI Units)	(mV)	(MS/cm)3	(°C)	(mg/L)	(mg/L)	Comments		
	Stabili	zation Range	<0.3 ft.	10% if >1	+/~ 0.1	+/- 10	3%	3%	10%				
1716	0	1500	1954	34.90	7.12	6.2	2-080	9.7	0.92		0		
1715	5	1500	20.43	16.54	7.09	-5.2	2.060	9.7	0.56	_	1.95g. (
1720	10	900	2 0.85	3.00	7.03	-14.5	1.961	9.8	0.64	-	5.85721.		
1725	15	600	21.20	2.56	7.03	-19.0	1.851	9.9	0.48	-	7.00901.		
1730	20	600	21.12	2.74	7.64	-22.3	1.832	10.1	0.48	-	775		
1735	25	600	21.00	2.80	7.04	-27.1	1.901	10.2	0.44	-	8.5		
1740	30	600	21.822	2.47	7.04	-32.4	1.660	10.1	0.43	-	9.25		
1745	35	600	21.41	2.51	7.07	-35.9	1.141	10.0	0.45	2	10		
17.50	40	600	21.60	2.48	7.10	-35-7	1.577	10.1	0.49	-	10.75		
1755	45	400	21.68	3.98	7-06	- 32.3	1-837	10.2	0.81	-	11.50		
1800	50	400	21.65	3.19	7.07	-42.8	1.947	10.3	0.44	-	12+2-25		
1805	55	400	21.71	3.03	7.07	- 42.7	1.705	10.2	0.52	~	12.52		
1910	60	400	21.69	3.04	7.09	-42.1	1.082	10.2	0.50	_	12		
1815	65	400	21.68	3.00	7.11	-39.9	1.667	10.3	0.54		125		
	70	1.0						10.0			13-2		
Number	and Tune	of Bottlo	ŝ.	Analuti	cal Param	eter	Drocos	vative		Calle	l		
Number		Vial					Fiese			Colle	cied		
3-4	to mL Glass	s viai	,	VUC	s - Aylenes	5	H		y.	5			

Clear None

Good 55gal. Drug

NC BR

New West

ARCAE	DIS							Pag	e	of	1	
Maestr	i Site Ser	ni-Annua	I Event			Well ID:			RIAL	RUFS		
Project N	lumber:		30120984	1	Task:	01				Ree	0	
Date:		5/25	122			Well Headspace PID:						
Sampling	Sampling Time: 0			/	Sampl	ed By:	JTG					
Weather	:	GOPF	SUNA	L.	Codeo	Replicate No.:				1.007		
				/	Replicat	e Type (circle one	e): Duplicate-	113/10	SD			
Instrume	nt Identifica	tion										
Senal #.	5007-						Water Qualit	y Meter(s)	YSI Pr	OPSS	,	
Purging I	nformation											
Casing M	aterial:		Ster	1		Purge Method	(circle one) Subr	arsible Car	trifugal Bladd	05		
Casing D	iameter:		6"	ir	- 1	Screen Interv	al: From:	lersible Cerr		ei		
Total Dep	oth:		25.8	΄ ζ f	t	Pump Intake S	Setting:	22.0	- 10.			
Depth to I	Product:			f	t		· · ·	22.01	0			
Depth to \	Nater:		12.45	f	t	Total Volume	Purgèd:	210	199.1-			
Water Co	lumn:		13.3) f	t	Pump on:	0749	Off: 0	851			
Gallons in	Well:		19.60	ga ga	1				~~,			
Field Para	meter Meas	surements ⁻	Faken Duri	na Puraina	1							
	Minutes	Rate	Depth to	Turbidity	pH	ORP	Conductivity	Temp	DO	TDS		
Time	Elapsed	(ml/min)	Water	(NTU3)	(SI Units)	(mV)	(MS/cm)3	(°C)	(mg/L)	(mg/L)	Comments	
1250	Stabil	ization Range	e <0.3 ft.	10% if >1	+/- 0.1	+/- 10	3%	3%	10%			
0 150	0	0053	13.28	33.98	6.68	35.1	0.957	8.6	0.91	-	6	
0755	5	2200	14.43	54.80	6.71	7.6	0.956	8.7	0.63	-	2.9	
0800	10	1800	14.66	49.7	6.73	- 8.6	0.957	8.7	0.57	-	5.8	
0805	15	1800	1492	54.68	6.75	-22.5	0.956	8.7	0.58	1	8.15	
0810	20	1800	15.31	59.78	6.75	-29.7	0.955	8.7	0.60	۱	10.5	
0815	25	1800	15.67	65.5	6.76	-35.8	0.953	8.7	0.67	-	12.85	
0820	30	1800	16.00	69.3	6.77	-39.8	0.954	8.7	0.65	-	15.20	
0825	35	1800	16.34	74.7	6.88	-42.5	0.954	8.7	1.05	-	17.55	
0830	40	1000	16.39	81.4	6.87	- 42.9	0.952	8.8	1.90	-	18.80	
0835	45	450	15.93	52.7	6.85	- 46.8	0.955	9.1	0.72	-	19.75	
0846	50	450	15.79	31.4	6.86	-47.6	1.955	9.)	0.78	-	19 90	
DAUS	55	450	15.64	29.5	6.86	-49.2	0.954	9.7	1.74	-	21.45	
0850	60	LICA	15.51	26.4	6,95	- 50.6	1.954	9.7	1.77	-	71.00	
0.000	65	-750	1001	- 0.0	0.00	50.0	0131	1.0	0.00		2100	
	70											
N	10	(A	and Deven	4.0.0	D					
Number	Number and Type of Bottle Analytic			cal Parame	eter	Preser	vative		Collec	cted		
3 - 4(3 - 40 mL Glass Vial VOCs			s - Xylenes	A CARLEN AND	HC	iL	-	yes			
					1.1.1.1.1.1							
										13276		

<u>clear</u> None

Good 55 gal. Drum

ARCADI	S							Page	1	of	1
Maestri	Site Sem	i-Annual	Event					Well ID:	PZ.	-21	
Project Nu	mber:		30120984		Task:	01					
Date:		5/2	5/2.2	_			Well Hea	dspace PID:			
Sampling	Sampling Time: 1/08 Weather: 71°F Mostly Cloudy					ed By:	JT6				1.2
Weather:						Replicate No.:					
				<u></u>	Replicate	e Type (circle one):	-Duplicate	-MS/MS	- 59		
Instrument	t Identificatio	on									
Serial #:	50077	PID -	A				Water Quality	y Meter(s)	YSI	D 5.5 L	Pro
Puraina In	formation										
Casing Ma	iterial:	¢	Ve			Purge Method:	circle one) Subr	ersible Cent	rifuqal Bladd	er	
Casing Dia	ameter:		2''	in		Screen Interval	From:	9.3	To:	19.3	
Total Dept	h:	۱	8.77	ft		Pump Intake Se	ettina:	10	1,00	, ,	
Depth to P	roduct:		~	ft			3				
Depth to V	Vater:		2.19	ft		Total Volume P	urged:	4.1	5		
Water Col	umn:	1	6.58	ft		Pump on:	1029	Off: /	106		
Gallons in	Well:		0 5.5	gal							
Field Para	meter Meas	surements T	aken Durir	na Puraina							
	Minutes	Rate	Depth to	Turbidity	рH	ORP	Conductivity	Temp	DO	TDS	
Time	Elapsed	(ml/min)	Water	(NTUs)	(SI Units)	(mV)	(MS/cm)3	(°C)	(mg/L)	(mg/L)	Comments
1	Stabili	zation Range	<0.3 ft.	10% if >1	+/- 0.1	+/- 10	3%	3%	10%		
1030	0	100	6.56	401.1	7.27	-103.4	1.072	12.1	1.25		0
1035	5	700	2.70	(79.3	7.15	-120.3	1.049	11.2.	6.65	~	9.0
1040	10	600	2.68	38.17	7.14	-126.6	1.061	11.1	0.50		1.65
1045	15	400	2.65	17.11	7.15	-130.0	1.065	11.1	0.45	-	2.15
1050	20	400	2.67	13.00	7.14	-131.1	1.064	11.1	0.41	-	2.65
1055	25	400	2.68	11.03	7.14	-133.3	1.067	11.1	0.39	-	3.15
1100	30	4/00	2.68	10.92	7.13	-133.5	1.06)	11.1	0.31	-	3.65
1105	35	400	2.67	10.74	7.13	-133.7	1.060	11-1	0.37	-	4.15
	40								1.96.1		
	45						Not IT		14		
	50								12.5.1		
	55										
	60										
	65										
	70										
1	, , , , , , , , , , , , , , , , , , , ,	1					- Article Discontinue				

Number and Type of Bottle

3 - 40 mL Glass Vial

Well Condition: Purge Water Disposal:

Good 55gal. Drum

Collected

yes

Preservative

HCL

Color: Odor:

Clear None

Analytical Parameter

VOCs - Xylenes

ARCAD	IS							Page	. 1	of	1
Maestri	Site Sem	i-Annual	Event					Well ID:		D7-	2 2
Project Nu	mber:		30120984		Task:	01				12	0
Date:		51	25/2	2			Well Hea	dspace PID:			- /
Sampling	Time:	13	343		Sample	ed By:	176				
Weather:		740F	Clou	dy	Coded	Replicate No.:					
Instrumen	t Identificati	on		,	Replicate	e Type (circle one):	- Duplica te	-MS/M	- 9D		
Serial #:5	0077	PID					Water Quality	Meter(s)	VSI	23.5 -	Pro
Purging In	formation								,		
Casing Ma	aterial:		Pvc			Purge Method:	circle one) Subrr	ersible Centr	rifugal Bladd	er	
Casing Dia	ameter:		2"	in		Screen Interval:	From:	10.0	To:	20.	8
Total Dept	th:		19.7	∫ ft		Pump Intake Se	etting:	14	5.0		
Depth to F	roduct:		-0400000000	ft			÷				
Depth to V	Vater:		5,50	-/ ft		Total Volume P	urged:	2	.95		
Water Col	umn:		14.17	ft		Pump on:	1243	Off: 13	342		
Gallons in	Well:	2.3	1-1-1-	7 (Pgal							
Field Para	meter Meas	urements T	aken Durir	ng Purging							
Time	Minutes	Rate	Depth to	Turbidity	pН	ORP	Conductivity	Temp	DO	TDS	
lime	Elapsed Stabili	(ml/min)	<0.3 ft	(NTUs)	(SI Units)	(mV)	(MS/cm)3	(°C)	(mg/L)	(mg/L)	Comments
1745	0	300	6.89	15 34	717	-1201	3%	3%	10%		~
1250	5	300	7.93	13.39	7.00	-120.1	1.336	12.1	0.77		0
1250	10	210	7.00	10.20	7.06	138.1	1.561	13.5	0.57		0-35
1200	15	210	1.00	19.59	7.06	152.0	1.261	17.8	0.48		0.1000
1300	15	210	1.89	14.88	7.01	151.	1.5 65	16.8	0.40		- 800
1305	20	210	1.87	19.39	1.01	- 166-1	1.998	12-1	0.39	_	1.20
1310	25	210	7.89	12.21	1.08	- 167.8	1.497	12.7	0.41		1.45
1315	30	210	7.88	9.90	7.08	-168.2	1.983	12.8	0.41	-	1.70
1320	35	210	7.88	6.25	7.07	-167.5	1.468	12.8	0.40	-	1.95
1325	40	210	7.89	3.87	7.07	-166.9	1.437	12.9	0.36	-	2.20
1330	45	210	7.89	2.79	7.07	-165.7	1.420	12.9	0.34	-	2.45
1335	50	ZIÒ	7.88	2.71	7.07	- 164.2	1.411	12.9	0.33	1	2.70
1346	55	210	7.88	2.60	7.07	- 162.7	1.481	12.9	0.33	-	2.95
	60					200	Same had			1.1.1.1	
	65										
	70										
Number						otor	Droco	native		Calla	otod
numper	Number and Type of Bottle Analytic				cici	Prese	valive		Colle	clea	
3-4	3 - 40 mL Glass Vial VO			VUC	s - Aylenes	, ,	HO		Ves		
						t and the					
											and the second second
						144			1.11		

Clear

Good 55991. Drun

ARCAD	ARCADIS							Page	e (of	1
Maestri	Site Sem	i-Annual	Event					Well ID:	RW-	.7	
Project Nu	umber:		30120984	k	Task:						
Date:		512	4/22				- Well Hea	adspace PID):		
Sampling	Time:	17:	55		Sampl	ed By:	T. Derleth				
Weather:		Suni	14		Coded	Replicate No.:					
			1		Replicate	e Type (circle one)	: Duplicate	MS/M	SD		
Instrumen	t Identificati	on					9 •				
Serial #:		PID				·····	Water Quali	ty Meter(s)	05129	1	100 BUL BUL BUL BUL
Puraina In	formation										
Casing Ma	aterial:	S	tPPI			Purge Method:	(circle one) Sub	nersible Cent	rifugal Blade	der	
Casing Di	ameter:		10"	in	-	Screen Interval	: From:	384.21	7 To:	394	7.10
Total Dept	th:	2	8.03	ft	-	Pump Intake S	etting:	BANNAN	14 39	0.74	
Depth to Product:			-	1		Water	@ 388	3.46			
Depth to Water: 17.31 ft					Total Volume F	urged:	2.93 gals				
Water Col	umn:	1	0.72	ft	1	Pump on:	16:50	Off: 17:5	50		
Gallons in	Well:	1	5.74	gal							
Field Para	meter Meas	urements T	aken Duri	na Puraina							
	Minutes	Rate	Depth to	Turbidity	pН	ORP	Conductivity	Temp	DO	TDS	
Time	Elapsed	(ml/min)	Water	(NTUs)	(SI Units)	(mV)	(MS/cm)3	(°C)	(mg/L)	(mg/L)	Comments
1. ~ .	Stabili	zation Range	<0.3 ft.	10% if >1	+/- 0.1	+/- 10	3%	3%	10%		
16:50	0	500	17.42	53.70	1.48	-76.3	0.970	8.9	2.06		
16:55	5	500	18.12	4.64	7.30	-101.7	0.962	8.8	0.92		
17:00	10	100	17.97	4.65	7.20	-100.8	0.960	9.4	0.90		
17:05	15	100	17.77	4.19	7.21	-102.4	0.961	9.7	0.73		
17:10	20	100	17.68	4.20	7.19	-103.7	0.960	9.6	0.66		
17:15	25	100	17.59	4.30	7.16	-101.8	0.968	10.0	0.64		
17:20	30	100	17.48	3.97	7.18	-103.4	0.958	10.8	0.01		
17:25	35	100	17.57	4.81	7.23	-108.5	0.967	93	0.47		
17:30	40	100	17.68	4.31	7.21	-110.9	0.965	9.1	0.43		
17:35	45	100	17.73	4.29	7.18	- 111.0	0.9105	9.2	0.42		
17:40	50	100	17.13	4.37	7.17	-1100	0.9105	9.3	0.47		
17:45	55	100	17 13	4.38	7.15	- 109.7	0.91010	9.3	0.40		
17:50	60	100	17.73	4.37	7.13	-1071	0.91010	9.4	0.112		
11.00	65	1-0	1.1.9		11.2	101.1	U They		0.46		
	70										
Number	and Tune	of Rottle		Analist	al Perers	tor	Dream	L	l	0	tad
number 2		Vial		Analyti			Preser	vative		Collect	
3-4	INL GIASS	viai		VUC	s - Aylenes		HC				
											W.9.5
										_	

None None

Good 55 gai Drum

ARCAD	IS							Page	e	of)
Maestri	Site Sem	i-Annual	Event					Well ID:	RW-5	>	
Project Nu	umber:		30120984		Task:	-	_		ar in at		
Date:		5125	5				- Well Hea	adspace PID			
Sampling	Time:	9:0	5		Sampl	Sampled By:		lean			
Weather:		Sunn	4		Coded	Replicate No .:			_		
			1		Replicate	e Type (circle one)	Duplicate	MS/M	SD		
Instrumen	t Identification	on	A				Inverse Over		15150		
Serial #:		PID NI	1				vvater Quality	y Meter(s)	05129	1	
Purging In	formation										
Casing Ma	aterial:	5.	reel		-	Purge Method:(circle one) Subr	mersible Cent	rifugal Bladd	ler	
Casing Di	ameter:		ما	in		Screen Interval	From:	386.17	To:	396.1	7
Total Dep	th:	25.9	14	ft		Pump Intake Se	etting:	391.17 (16.53 Ft)		
Depth to F	Product:	NA		ft				water	@ 11.03	fł	
Depth to V	Vater:	11.08	3	ft	_	Total Volume P	urged:	21.92	gallons		
Water Col	umn:	14.80	٥	ft	-13	Pump on:	7:50	Off: 9	:00		
Gallons in	Well:	21.8	2	gal	-						
Field Parameter Measurements Taken During Purg			ng Purging								
	Minutes	Rate	Depth to	Turbidity	pН	ORP	Conductivity	Temp	DO	TDS	
Time	Elapsed Stabili	(ml/min)	<0.3 ft	(NTUs)	(SI Units)	(mV) +/- 10	(MS/cm)3	(°C)	(mg/L)	(mg/L)	Comments
7:50	0	liooo	11-24	1.84	674	135 5	() 701	95	202		
7:55	5	1500	17 29	7 25	670	(0) I	0.707	9.7	158		
8:00	10	1500	12.70	8.74	6.69	51.2	0:134	9.2	0.51		
8:05	15	1500	12.98	11.45	6.70	45.8	0.752	9.2	0.48		
8:10	20	1500	13.16	14.15	6.70	41.6	0.765	9.2	0.46		
8:15	25	1500	13.28	18.22	6.70	39.1	0.781	9.2	0.45		(4)
8:20	30	1500	13.37	22.53	6.71	35.9	0.784	9.2	0.44		
8:25	35	1500	13.49	29.09	6.71	31.9	0.800	9.2	0.42		
8:30	40	1500 -	13.56	32.25	6.71	28.9	0.817	9.2	0.42		
8:35	45	1560.	13.64	43.82	6.72	23.7	0.815	9.2	0.40		
8:40	50	1500	13.67	51.55	6.72	23.8	0.833	9.2	0.40		
8:45	55	150	13.26	46.18	6.73	20.1	6.833	9.6	0.40		
8:50	60	150	13.13	58.12	6.73	18.0	0.841	9.5	0.39		
8:55	65	150	12.97	60.48	6.73	14.6	0.840	9.5	0.38		
9:00	70	150	12.84	62.31	6.73	14.3	0.843	9.4	0.38		
Number	and Type	of Bottle		Analyti	cal Parame	eter	Preser	vative		Collec	ted
3-1	10 ml Glass	Vial		VOC							

None

Good 55-gallon drum

ARCAD	IS							Page	e }	of	1		
Maestri	Site Sem	i-Annual	Event			Well ID: MW -9							
Project Nu	umber:		30120984		Task:				-1-141				
Date:		14:5	0		_		- Well Hea	idspace PID	NA				
Sampling	Time:	5124	122		Sampl	ed By:	T. Derle	2th					
Weather:		Sunny			Coded	Coded Replicate No.:							
• 000000 • 000000 • 000000000					Replicate	e Type (circle one)	Duplicate	MS/MS	SD				
Instrumen	t Identificati						Water Ouslit	· Matar(a)	10.00	18			
Senal #:			}	0505	0		vvater Qualit	y Meter(s)	051241				
Purging In	formation												
Casing Ma	aterial:	PVC			_	Purge Method:	circle one) Subn	nersible Centr	ifugal Bladd	ler			
Casing Dia	ameter:	2		in		Screen Interval	: From:	387	To:	397			
Total Dept	tal Depth: 18.79 ft				-	Pump Intake Se	etting:	16.87 1	7 392	20			
Depth to P	Depth to Product: NA ft			-	Water @ 396 78								
Depth to Water: 12.09 ft			-	Total Volume P	urged:	5.94	gallons	5					
Water Col	Water Column: <u>6.70</u> ft			-	Pump on:	13:50	Off: 14	,50					
Gallons in	Well:	1.09		gal	-								
Field Para	meter Meas	urements T	aken Durii	ng Purging									
-	Minutes	Rate	Depth to	Turbidity	pH	ORP	Conductivity	Temp	DO	TDS			
lime	Elapsed Stabil	(ml/min)	<0.3 ft.	(NTUS) 10% if >1	(SI Units) +/- 0.1	(mV) +/- 10	(MS/cm)3 3%	(°C) 3%	(mg/L) 10%	(mg/L)	Comments		
13:50	0	375	12.04	86.23	10.74	-91.8	1.020	11.2	243	-			
13:55	5	375	12.39	91.72	6.67	-73.3	0.979	10.6	1.51				
14:00	10	375	12:41	110.19	6.67	-65.4	0.933	10.3	1.05				
14:05	15	375	12.43	120.29	6.67	~58.2	0.901	10.3	D.82				
14:10	20	375	12.46	146.26	6.68	- 55.6	0.892	10.2	0.75				
14:15	25	375	12.48	166.63	6.69	-53.0	0.884	10.0	D.64				
14:20	30	375	12.49	164.53	6.69	-52.3	0.888	10.0	0.58				
14:25	35	375	12.50	163.74	6.70	-51.3	0.884	10.0	0.54				
14:30	40	375	12.51	169.15	6.70	-51.0	0.884	10.1	D.48				
14:35	45	375	12.51	156.34	6.71	-50.3	0.884	10.1	0.43				
14:40	50	375	12.51	160.05	6.71	-50.3	0.882	10.1	0.44				

14:45

None DNR

375

55

60 65 70 Number and Type of Bottle

3 - 40 mL Glass Vial

12:51

101.92 6.71

Analytical Parameter

VOCs - Xylenes

Well Condition: Purge Water Disposal:

-50.3

Good Drum

Preservative

HCL

10.1

0.882

Collected

0.42

ARCAD	IS							Page	e	of)
Maestri	Site Sem	i-Annual	Event					Well ID:	P ASAN	AM RU	1-10
Project Nu	umber:		30120984		Task:						
Date:		51	25/22	2	_		- Well Hea	dspace PID	:		
Sampling	Time:	11:	15		Sampl	ed By:	T. Dr				
Weather:		SUR	nny		Coded	Coded Replicate No.:					
			,		Replicat	e Type (circle one):	Duplicate	MS/MS	SD		
Instrumen	t Identificati	on									
Serial #:		PID					Water Qualit	y Meter(s)			No. 11 Inc. 10 Inc.
Puraina In	formation										
Casing Ma	aterial:	51	eel			Purge Method:	circle one) Subr	nersible Cent	rifuqal Blado	ler	
Casing Dia	ameter:		10	in	-	Screen Interval:	From:	374.70	To:	384.74	
Total Dept	th:	19.5	3	ft		Pump Intake Se	etting:	14.5FL	-		
Depth to F	Depth to Product: NA ft										
Depth to V	Depth to Water: 5.04 ft				Total Volume Po	otal Volume Purged: 28.79 gallons					
Water Col	Water Column: 14.49 ft				Pump on:	10:10	Off:	:10			
Gallons in	Gallons in Well: <u>21.28</u> gal										
Field Para	meter Meas	urements T	aken Duri	na Puraina							
	Minutes	Rate	Depth to	Turbidity	pН	ORP	Conductivity	Temp	DO	TDS	
Time	Elapsed	(ml/min)	Water	(NTUs)	(SI Units)	(mV)	(MS/cm)3	(°C)	(mg/L)	(mg/L)	Comments
:00 D	Stabil	ization Range	<0.3 ft.	10% if >1	+/- 0.1	+/- 10	3%	3%	10%		
10:10	0	950	5.11	16.40	1.64	-100.8	1.444	9.4	1.11		
10:15	5	950	6.03	14.91	1.62	-114.0	1.433	9.3	0.63		
10:20	10	2000	6:28	11.21	7.65	-123.0	1.431	9.1	0.49		
10:25	15	2000	6.42	26.15	7.69	-129.8	1.449	9.0	0.44		
10:30	20	2000	6.43	32.22	7.72	-134.0	1.011	9.0	0.42		
10:35	25	2000	6.44	36.31	7.74	-137.2	1.017	9.0	0.40		
10.40	30	2000	6.45	42.91	7.74	-138.4	1.480	9.0	0.39		
10:45	35	2000	6.41	48.51	7.76	-139.6	1.491	9.1	0.38		
10:50	40	2000	6.20	20.01	7.75	-117.7	1.517	9.0	0.91		
10:55	45	2000	(0.52	22.38	7.74	-134.2	1.521	9.1	0.41		
11:00	50	2000	6.53	27.04	7.74	-138.6	1.551	9.0	0.37		
11:05	55	950	6.47	26.83	7.74	-140.8	1.556	9.1	0.37		

11:10

11:15

None

950

60

65 70 Number and Type of Bottle

3 - 40 mL Glass Vial

6.43

26,91

7.74

Analytical Parameter

VOCs - Xylenes

Well Condition: Purge Water Disposal:

-138.9

.551

9.1

Preservative

HCL

Good gal. 65 Drum

0.37

Collected



Laboratory Reports (CD)

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Tel: (716)691-2600

Laboratory Job ID: 480-198348-1

Client Project/Site: SMC Maestri Site Revision: 1

For:

LINKS

Review your project results through

EOL

Have a Question?

www.eurofinsus.com/Env

Visit us at:

Ask-

The

Expert

ARCADIS U.S. Inc One Lincoln Center 110 West Fayette St, Suite 300 Syracuse, New York 13202

Attn: Ms. Rebecca Hensel

Authorized for release by: 7/14/2022 4:25:33 PM John Schove, Project Manager II (716)504-9838

John.Schove@et.eurofinsus.com

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	13
Lab Chronicle	14
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	21

Definitions/Glossary

Limit of Quantitation (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Minimum Detectable Activity (Radiochemistry)

3

Qualifiers

G

LOQ

MCL

MDA

MDC

MDL

ML MPN

MQL

NC

ND

NEG

POS

PQL

QC

RER

RPD

TEF

TEQ

TNTC

RL

PRES

GC/MS VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	

Eurofins Buffalo

Job ID: 480-198348-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-198348-1

Revsion

This report has been revised to report Total Xylenes.

Comments

No additional comments.

Receipt

The samples were received on 5/26/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method 624.1: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: RW-3 (480-198348-1) and RW-6 (480-198348-3). Elevated reporting limits (RLs) are provided.

Method 624.1: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2A (480-198348-6], MW-2A (

Method 624.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-627798 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 624.1: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-9 (480-198348-7), BD_(052422) (480-198348-10), (480-198348-B-7 MS) and (480-198348-B-7 MSD). Elevated reporting limits (RLs) are provided.

Method 624.1: Due to the high concentration of m-Xylene & p-Xylene o-Xylene Xylenes, Total, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-627970 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 480-198348-1

Detection Summary

Job ID: 480-198348-1

Client Sample ID: RW-3				Lab Sample ID: 4	80-198348-1
No Detections.					
Client Sample ID: RW-5				Lab Sample ID: 4	80-198348-2
No Detections.					
Client Sample ID: RW-6				Lab Sample ID: 4	80-19834 <mark>8-3</mark>
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type
Xylenes, Total	2.8 J	20	2.2 ug/L	2	Total/NA
Client Sample ID: RW-7				Lab Sample ID: 4	80-198348-4
No Detections.					
Client Sample ID: RW-8				Lab Sample ID: 4	80-198348-5
No Detections.					
Client Sample ID: MW-2A				Lab Sample ID: 4	80-19834 <mark>8-6</mark>
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type
Xylenes, Total	420 F1	40	4.3 ug/L	4 624.1	Total/NA
Client Sample ID: MW-9				Lab Sample ID: 4	80-198348-7
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Ргер Туре
Xylenes, Total	640 F1	80	8.6 ug/L	8 624.1	Total/NA
Client Sample ID: PZ-20				Lab Sample ID: 4	80-19834 <mark>8-8</mark>
No Detections.					
Client Sample ID: PZ-21				Lab Sample ID: 4	80-198348-9
No Detections.					
Client Sample ID: BD_(05	2422)			Lab Sample ID: 48	0-198348-10
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Ргер Туре
Xylenes, Total	620	80	8.6 ug/L	8 624.1	Total/NA
Client Sample ID: FB_(052	2422)			Lab Sample ID: 48	0-198348-11
No Detections.					
Client Sample ID: FB_(052	2522)			Lab Sample ID: 48	0-198348-12
No Detections.					
Client Sample ID: TB_(05	2422)			Lab Sample ID: 48	0-198348-13
No Detections.					
Client Sample ID: TB_(02	2522)			Lab Sample ID: 48	0-198348-14

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: RW-3 Date Collected: 05/24/22 18:17 Date Received: 05/26/22 10:00

	•		
_			
Method: 624.1 - Volatile Orga	anic Compounds (GC/MS)		
Analyte	Result Qualifier	RL	MDL Unit

Xylenes, Total	4.3 U	40	4.3 ug/L		05/26/22 20:52	4
Surrogate	%Recovery Quali	ifier Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	68 - 130			05/26/22 20:52	4
4-Bromofluorobenzene (Surr)	100	76 - 123			05/26/22 20:52	4
Dibromofluoromethane (Surr)	103	75 - 123			05/26/22 20:52	4
Toluene-d8 (Surr)	102	77 - 120			05/26/22 20:52	4

Client Sample ID: RW-5 Date Collected: 05/25/22 09:05

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1	ug/L			05/26/22 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		68 - 130					05/26/22 21:16	1
4-Bromofluorobenzene (Surr)	99		76 - 123					05/26/22 21:16	1
Dibromofluoromethane (Surr)	101		75 - 123					05/26/22 21:16	1
Toluene-d8 (Surr)	100		77-120					05/26/22 21:16	1

Client Sample ID: RW-6

Date Collected: 05/25/22 11:15

Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	2.8	J	20	2.2	ug/L			05/26/22 21:39	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		68 - 130					05/26/22 21:39	2
4-Bromofluorobenzene (Surr)	101		76 _ 123					05/26/22 21:39	2
Dibromofluoromethane (Surr)	103		75 - 123					05/26/22 21:39	2
Toluene-d8 (Surr)	100		77 - 120					05/26/22 21:39	2

Client Sample ID: RW-7 Date Collected: 05/24/22 17:55

Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1	ug/L			05/26/22 22:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130					05/26/22 22:03	1
4-Bromofluorobenzene (Surr)	102		76 - 123					05/26/22 22:03	1
Dibromofluoromethane (Surr)	104		75 - 123					05/26/22 22:03	1
Toluene-d8 (Surr)	100		77 - 120					05/26/22 22:03	1

Job ID: 480-198348-1

Analyzed

Matrix: Water

Matrix: Water

Dil Fac

Lab Sample ID: 480-198348-1

Lab Sample ID: 480-198348-2

D

Prepared

Lab Sample ID: 480-198348-3

Matrix: Water

Lab Sample ID: 480-198348-4

Matrix: Water

Date Received: 05/26/22 10:00
Client Sample ID: RW-8 Date Collected: 05/25/22 08:52 Date Received: 05/26/22 10

Date Received: 05/26/22 1	0:00			
Method: 624.1 - Volatile (Organic Compounds (GC/MS)			
Analyte	Result Qualifier	RL	MDL Unit	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1	ug/L			05/26/22 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130					05/26/22 22:27	1
4-Bromofluorobenzene (Surr)	99		76 - 123					05/26/22 22:27	1
Dibromofluoromethane (Surr)	100		75 - 123					05/26/22 22:27	1
Toluene-d8 (Surr)	99		77 - 120					05/26/22 22:27	1

Client Sample ID: MW-2A Date Collected: 05/24/22 15:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	420	F1	40	4.3	ug/L			05/26/22 22:52	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130					05/26/22 22:52	4
4-Bromofluorobenzene (Surr)	99		76 _ 123					05/26/22 22:52	4
Dibromofluoromethane (Surr)	101		75 - 123					05/26/22 22:52	4
Toluene-d8 (Surr)	99		77-120					05/26/22 22:52	4

Client Sample ID: MW-9

Date Collected: 05/24/22 14:50

Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	640	F1	80	8.6	ug/L			05/27/22 17:04	8
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 130					05/27/22 17:04	8
4-Bromofluorobenzene (Surr)	101		76 _ 123					05/27/22 17:04	8
Dibromofluoromethane (Surr)	102		75 _ 123					05/27/22 17:04	8
Toluene-d8 (Surr)	101		77 - 120					05/27/22 17:04	8

Client Sample ID: PZ-20 Date Collected: 05/25/22 13:43

Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1	ug/L			05/26/22 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			68 - 130					05/26/22 23:40	1
4-Bromofluorobenzene (Surr)	100		76 - 123					05/26/22 23:40	1
Dibromofluoromethane (Surr)	104		75 - 123					05/26/22 23:40	1
Toluene-d8 (Surr)	101		77 - 120					05/26/22 23:40	1

Eurofins Buffalo

Lab Sample ID: 480-198348-7

Lab Sample ID: 480-198348-8

Lab Sample ID: 480-198348-6

Matrix: Water

Matrix: Water

Job ID: 480-198348-1

Matrix: Water

Matrix: Water

Lab Sample ID: 480-198348-5

7/14/2022 (Rev. 1)

Date Received: 05/26/22 10:00

Client Sample ID: PZ-21 Date Collected: 05/25/22 11:08 Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Or	ganic Compou	nds (GC/MS))			
Analyte	Result	Qualifier	RL	MDL	Unit	D
Xylenes, Total	1.1	U	10	1.1	ug/L	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 130	_	05/27/22 00:04	1
4-Bromofluorobenzene (Surr)	101		76 - 123		05/27/22 00:04	1
Dibromofluoromethane (Surr)	105		75 - 123		05/27/22 00:04	1
Toluene-d8 (Surr)	100		77 - 120		05/27/22 00:04	1

Client Sample ID: BD_(052422) Date Collected: 05/24/22 00:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	620		80	8.6	ug/L			05/27/22 17:28	8
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		68 - 130					05/27/22 17:28	8
4-Bromofluorobenzene (Surr)	100		76 - 123					05/27/22 17:28	8
Dibromofluoromethane (Surr)	105		75 - 123					05/27/22 17:28	8
Toluene-d8 (Surr)	100		77 - 120					05/27/22 17:28	8

Client Sample ID: FB (052422) Date Collected: 05/24/22 19:35 Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Xylenes, Total 1.1 U 10 05/27/22 17:52 1.1 ug/L Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 68 - 130 1,2-Dichloroethane-d4 (Surr) 104 05/27/22 17:52 4-Bromofluorobenzene (Surr) 100 76-123 05/27/22 17:52 Dibromofluoromethane (Surr) 102 75-123 05/27/22 17:52 Toluene-d8 (Surr) 100 77-120 05/27/22 17:52

Client Sample ID: FB (052522) Date Collected: 05/24/22 14:35 Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1 ug/L			05/27/22 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130				05/27/22 18:16	1
4-Bromofluorobenzene (Surr)	99		76 - 123				05/27/22 18:16	1
Dibromofluoromethane (Surr)	102		75 - 123				05/27/22 18:16	1
Toluene-d8 (Surr)	100		77 - 120				05/27/22 18:16	1

Lab Sample ID: 480-198348-9

Lab Sample ID: 480-198348-10

Prepared

Analyzed

05/27/22 00:04

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

1

1

1

1

1

Dil Fac

1

Job ID: 480-198348-1

Lab Sample ID: 480-198348-11

Lab Sample ID: 480-198348-12

Date Received: 05/26/22 10:00

Client Sample ID: TB_(052422) Date Collected: 05/25/22 00:00 Date Received: 05/26/22 10:00

Analyzed

Lab Sample ID: 480-198348-13

Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS) Result Qualifier Analyte RL

Xylenes, Total	1.1	U	10	1.1 ug/L		05/27/22 18:40	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		68 - 130			05/27/22 18:40	1
4-Bromofluorobenzene (Surr)	100		76 - 123			05/27/22 18:40	1
Dibromofluoromethane (Surr)	103		75 - 123			05/27/22 18:40	1
Toluene-d8 (Surr)	101		77 - 120			05/27/22 18:40	1

MDL Unit

D

Prepared

Client Sample ID: TB_(022522) Date Collected: 05/25/22 00:00 Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1	ug/L			05/27/22 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 130					05/27/22 19:04	1
4-Bromofluorobenzene (Surr)	100		76 - 123					05/27/22 19:04	1
Dibromofluoromethane (Surr)	102		75 - 123					05/27/22 19:04	1
Toluene-d8 (Surr)	101		77 _ 120					05/27/22 19:04	1

Dil Fac 6 Lab Sample ID: 480-198348-14 Matrix: Water

Surrogate Summary

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

			Pe	ercent Surro	ogate Recov	very (Acceptance Limits)	
		DCA	BFB	DBFM	TOL		
_ab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)		
480-198348-1	RW-3	103	100	103	102		1
480-198348-2	RW-5	103	99	101	100		
180-198348-3	RW-6	104	101	103	100		
180-198348-4	RW-7	102	102	104	100		
180-198348-5	RW-8	102	99	100	99		
180-198348-6	MW-2A	102	99	101	99		
180-198348-6 MS	MW-2A	97	97	97	100		
180-198348-6 MSD	MW-2A	98	97	97	100		
80-198348-7	MW-9	105	101	102	101		
80-198348-7 MS	MW-9	100	98	102	96		
180-198348-7 MSD	MW-9	98	99	99	101		
180-198348-8	PZ-20	104	100	104	101		
180-198348-9	PZ-21	105	101	105	100		
80-198348-10	BD_(052422)	103	100	105	100		
80-198348- 11	FB_(052422)	104	100	102	100		
80-198348-12	FB_(052522)	102	99	102	100		- 5
80-198348-13	TB_(052422)	103	100	103	101		
80-198348-14	TB_(022522)	105	100	102	101		
CS 480-627798/7	Lab Control Sample	101	99	97	100		
CS 480-627970/7	Lab Control Sample	107	98	101	101		
AB 480-627798/9	Method Blank	99	99	98	100		
VB 480-627970/9	Method Blank	103	99	100	100		

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Job ID: 480-198348-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-6	627798/9							Client Sam	ple ID: Metho	d Blank	
Matrix: Water									Prep Type: I	otal/NA	
Analysis Batch: 627798											5
Amelute	IVI De ex				MDI	11	D	Duananad	A u a luma al		J
				RL		Unit	<u> </u>	Prepared			
Xylenes, lotal	1	.1 U		10	1.1	ug/L			05/26/22 16:41	1	
	М	B MB									
Surrogate	%Recove	ry Qualifier	· Limi	ts				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)		99	68 -	130					05/26/22 16:41	1	
4-Bromofluorobenzene (Surr)	ç	99	76-	123					05/26/22 16:41	1	8
Dibromofluoromethane (Surr)	ç	98	75-	123					05/26/22 16:41	1	
Toluene-d8 (Surr)	10	00	77-	120					05/26/22 16:41	1	9
Lab Sample ID: LCS 480-	627798/7						Client	Sample ID	: Lab Control	Sample	
Matrix: Water									Prep Type: 1	Total/NA	
Analysis Batch: 627798											
	LCS L	cs									
Surrogate	%Recovery Q	ualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	101		68 - 130								
4-Bromofluorobenzene (Surr)	99		76 - 123								
Dibromofluoromethane (Surr)	97		75-123								
Toluene-d8 (Surr)	100		77 - 120								
_ 	48-6 MS							Clie	nt Sample ID:	MW-24	
Matrix: Water								one	Pren Type: 1		
Analysis Batch: 627798											
Surrogato	WBacayary O	3 Valifior	Limite								
1 2-Dichloroethane-d4 (Surr)			<u>68 130</u>								
4-Bromofluorobenzene (Surr)	97		76 123								
Dibromofluoromethane (Surr)	97		75-123								
Toluene-d8 (Surr)	100		77 120								
	100		11-120								
Lab Sample ID: 480-1983	48-6 MSD							Clie	nt Sample ID:	MW-2A	
Analysis Batch: 627798									Prep Type: 1	lotal/NA	
	MSD M	ISD									
Surrogate	%Recoverv 0	ualifier	Limits								
1.2-Dichloroethane-d4 (Surr)			68 - 130								
4-Bromofluorobenzene (Surr)	97		76-123								
Dibromofluoromethane (Surr)	97		75 - 123								
_Toluene-d8 (Surr)	100		77 - 120								
_ Lab Sample ID [.] MB 480-6	627970/9							Client Sam	ple ID: Metho	d Blank	
Matrix: Water								enone oun	Prep Type: 1		
Analysis Batch: 627970											
	м	вМВ									
Analyte	Resu	It Qualifier		RL	MDL	Unit	D	Prepared	Analvzed	Dil Fac	
Xylonos Total	1	1 11		10	1 1	<u>ua/l</u>			05/27/22 16:07	1	

MВ	MB					
Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
103		68 - 130			05/27/22 16:07	1
	Recovery 103	Recovery Qualifier	Recovery Qualifier Limits 103 68 - 130	Recovery Qualifier Limits 103 68 - 130	Recovery Qualifier Limits Prepared 103 68 - 130	Recovery 103Qualifier 68 - 130Limits 68 - 130Prepared 05/27/22 16:07

Eurofins Buffalo

7/14/2022 (Rev. 1)

Analysis Batch: 627970

Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued) Lab Sample ID: MB 480-627970/9

Client Sample ID: Method Blank Prep Type: Total/NA

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		76-123		05/27/22 16:07	1
Dibromofluoromethane (Surr)	100		75 - 123		05/27/22 16:07	1
Toluene-d8 (Surr)	100		77 - 120		05/27/22 16:07	1

Lab Sample ID: LCS 480-627970/7 Matrix: Water Analysis Batch: 627970

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)			68 - 130
4-Bromofluorobenzene (Surr)	98		76 - 123
Dibromofluoromethane (Surr)	101		75-123
Toluene-d8 (Surr)	101		77 - 120

Lab Sample ID: 480-198348-7 MS Matrix: Water Analysis Batch: 627970

	MS MS					
Surrogate	%Recovery	Qualifier	Limits			
1,2-Dichloroethane-d4 (Surr)	100		68 - 130			
4-Bromofluorobenzene (Surr)	98		76 - 123			
Dibromofluoromethane (Surr)	102		75 - 123			
Toluene-d8 (Surr)	96		77 - 120			

Lab Sample ID: 480-198348-7 MSD Matrix: Water Analysis Batch: 627970

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		68 - 130
4-Bromofluorobenzene (Surr)	99		76 - 123
Dibromofluoromethane (Surr)	99		75 - 123
Toluene-d8 (Surr)	101		77_120

Client Sample ID: Lab Control Sample Prep Type: Total/NA

-

Client Sample ID: MW-9 Prep Type: Total/NA

) \	

5

8

Client Sample ID: MW-9 Prep Type: Total/NA

Prep Type

Total/NA

Matrix

Water

Client Sample ID

RW-3

RW-5

RW-6

RW-7

RW-8

MW-2A

PZ-20

PZ-21

MW-2A

MW-2A

Method Blank

Lab Control Sample

Analysis Batch: 627798

GC/MS VOA

Lab Sample ID

480-198348-1

480-198348-2

480-198348-3

480-198348-4

480-198348-5

480-198348-6

480-198348-8

480-198348-9

MB 480-627798/9

LCS 480-627798/7

480-198348-6 MS

480-198348-6 MSD

Analysis Batch: 627970

Prep Batch

Method

624.1

624.1

624.1

624.1

624.1

624.1

624.1

624.1

624.1

624.1

624.1

624.1

9

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198348-7	MW-9	Total/NA	Water	624.1	
480-198348-10	BD_(052422)	Total/NA	Water	624.1	
480-198348- 11	FB_(052422)	Total/NA	Water	624.1	
480-198348-12	FB_(052522)	Total/NA	Water	624.1	
480-198348-13	TB_(052422)	Total/NA	Water	624.1	
480-198348-14	TB_(022522)	Total/NA	Water	624.1	
MB 480-627970/9	Method Blank	Total/NA	Water	624.1	
LCS 480-627970/7	Lab Control Sample	Total/NA	Water	624.1	
480-198348-7 MS	MW-9	Total/NA	Water	624.1	
480-198348-7 MSD	MW-9	Total/NA	Water	624.1	

			L	.ab Chro	onicle					
Client: ARCAE Project/Site: S)IS U.S. Inc MC Maestri S	Site						Job	ID: 480-198348-1	2
Client Sam	ple ID: RW d: 05/24/22 1	- 3 8:17					Lab Sa	ample ID:	480-198348-1 Matrix: Water	
Date Receive	d: 05/26/22 1	0:00								
	Batch	Batch		Dilution	Batch	Prepared				_
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analvst	Lab		5
Total/NA	Analysis	624.1		4	627798	05/26/22 20:52	ATG	TAL BUF		
Client Sam		-5					Lah Sa	ample ID:	180-108318-2	
Date Collecto	d: 05/25/22 0	-5						impic ib.	Matrix: Water	
Date Received	d: 05/26/22 0	0:00							Water	
										0
	Batch	Batch	_	Dilution	Batch	Prepared				0
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst			0
Iotal/NA	Analysis	624.1		1	627798	05/26/22 21:16	AIG	TAL BUF		9
Client Sam	ple ID: RW	-6					Lab Sa	ample ID:	480-198348-3	10
Date Collecte	d: 05/25/22 1	1:15							Matrix: Water	10
Date Received	d: 05/26/22 1	0:00								
	Patab	Patab		Dilution	Patab	Bronarad				
Pren Tyne	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lah		
Total/NA	Analysis	624.1		2	627798	05/26/22 21:39	ATG	TAL BUF		
		-							400 4000 40 4	
Client Sam	ple ID: RW	-/					Lab Sa	ample ID:	480-198348-4	
Date Collecte	d: 05/24/22 1	7:55							Matrix: Water	
	a: 05/26/22 1	0:00								
	Batch	Batch		Dilution	Batch	Prepared				
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab		
Total/NA	Analysis	624.1		1	627798	05/26/22 22:03	ATG	TAL BUF		
Client Sam	ple ID: RW	-8					Lab Sa	ample ID:	480-198348-5	
Date Collecte	d: 05/25/22 0	8:52							Matrix: Water	
Date Received	d: 05/26/22 1	0:00								
	Batch	Batch	_	Dilution	Batch	Prepared				
Prep Type		_ Method	Run	_ Factor	Number	or Analyzed	Analyst			
	Analysis	024.1		I	021190	03/20/22 22.21	AIG	TAL DUF		
Client Sam	ple ID: MW	/-2A					Lab Sa	ample ID:	480-198348-6	
Date Collecte	d: 05/24/22 1	5:00							Matrix: Water	
Date Receive	d: 05/26/22 1	0:00								
	Batch	Batch		Dilution	Ratch	Prepared				
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab		
Total/NA	Analysis	624.1		4	627798	05/26/22 22:52	ATG	TAL BUF		
	- I- ID- 8414							un un la IP	400 4000 40 7	
Client Sam		1-9 1 - 50					Lap Sa	ample ID:	480-198348-/	
Date Collecte	a: 05/24/22 1	4:50							Matrix: Water	
	u. US/20/22 1	0.00								
	Batch	Batch		Dilution	Batch	Prepared				
Prep Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab		
Total/NA	Analysis	624.1		8	627970	05/27/22 17:04	ATG	TAL BUF		

Eurofins Buffalo

Job ID: 480-198348-1

9 10

Client Samp	ole ID: PZ-	20					Lab Sa	ample ID:	480-198348-8
Date Collected	d: 05/25/22 1	3:43							Matrix: Water
Date Received	d: 05/26/22 1	0:00							
Γ	Patab	Patab		Dilution	Patab	Bronarod			
Pren Type	Type	Method	Pun	Eactor	Number	or Analyzed	Analyst	Lah	
	Analysis	- 624 1			627708	05/26/22 23:40	ATG		-
	Analysis	024.1			021190	03/20/22 23.40	AIG	TAL DOI	
Client Samp	ole ID: PZ-	21					Lab Sa	ample ID:	480-198348-9
Date Collected	d: 05/25/22 1	1:08							Matrix: Water
Date Received	d: 05/26/22 1	0:00							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	624.1			627798	05/27/22 00:04	ATG	TAL BUF	-
Client Same		(052422)					ah Sar	mala ID:	100 100210 10
Cheft Samp		_(052422)				L	-an Sai	ipie iD:	400-190340-10 Metrix: Weter
Date Collected	4: 05/24/22 (1: 05/26/22 1	0.00							water
	u. UJ/20/22 1	0.00							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	624.1		8	627970	05/27/22 17:28	ATG	TAL BUF	-
Client Same	ole ID [.] FB	(052422)					ab Sar	nple ID [.]	480-198348-11
Date Collecter	d: 05/24/22 1	_(°°°)				-			Matrix: Water
Date Received	d: 05/26/22 1	0:00							matrix. Water
Γ									
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	_
Total/NA	Analysis	624.1		1	627970	05/27/22 17:52	ATG	TAL BUF	
Client Samp	ole ID: FB	(052522)				L	_ab Sar	nple ID:	480-198348-12
Date Collected	d: 05/24/22 1	4:35						· ·	Matrix: Water
Date Received	d: 05/26/22 1	0:00							
	Patab	Potob		Dilution	Patab	Droparod			
Pron Type	Type	Method	Pun	Eactor	Number	or Analyzed	Analyst	Lah	
Total/NA	Analysis	$-\frac{6241}{6241}$		1	627970	05/27/22 18·16	ATG	TAL BUE	-
					02.010				
Client Samp	ole ID: TB __	_(052422)				L	_ab Sar	nple ID:	480-198348-13
Date Collected	d: 05/25/22 0	00:00							Matrix: Water
Date Received	d: 05/26/22 1	0:00							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	624.1			627970	05/27/22 18:40	ATG	TAL BUF	-
Client Somr		(000500)					ah Sar		100 100210 11
Dete Collector		_(UZZJZZ)				L	-an Sgi	inple in:	400-190340-14 Metrics Metric
Date Collected	a: 05/25/22 0	0.00							watrix: water
	u. U5/20/22 1	0.00							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	624.1			627970	05/27/22 19:04	ATG	TAL BUF	-

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Job ID: 480-198348-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	06-21-22

Client: ARCADIS U.S. Inc Project/Site: SMC Maestri Site

5
8
9
12

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

JUD ID. 400-150540-

5
8
9
13
14

Lah Sample ID	Client Sample ID	Matrix	Collected	Pacaivad
480-198348-1	- RW-3	Water	05/24/22 18:17	05/26/22 10:00
480-198348-2	RW-5	Water	05/25/22 09:05	05/26/22 10:00
480-198348-3	RW-6	Water	05/25/22 11:15	05/26/22 10:00
480-198348-4	RW-7	Water	05/24/22 17:55	05/26/22 10:00
480-198348-5	RW-8	Water	05/25/22 08:52	05/26/22 10:00
480-198348-6	MW-2A	Water	05/24/22 15:00	05/26/22 10:00
480-198348-7	MW-9	Water	05/24/22 14:50	05/26/22 10:00
480-198348-8	PZ-20	Water	05/25/22 13:43	05/26/22 10:00
480-198348-9	PZ-21	Water	05/25/22 11:08	05/26/22 10:00
480-198348-10	BD_(052422)	Water	05/24/22 00:00	05/26/22 10:00
480-198348- 11	FB_(052422)	Water	05/24/22 19:35	05/26/22 10:00
480-198348-12	FB_(052522)	Water	05/24/22 14:35	05/26/22 10:00
480-198348-13	TB_(052422)	Water	05/25/22 00:00	05/26/22 10:00
480-198348-14	TB (022522)	Water	05/25/22 00:00	05/26/22 10:00

ffalo	ē
Bul	od Driv
fins	celwoo
inro	0 Haz

Chain of Custody Record

🐝 eurofins America

Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991	Chain of C	ustody Record	C. CULUIIIS Environment Testing
Client Information		Lab PM: Schourd John D	Carrier Technol Men Co No:
Client Contact:	Phone:	SCIOVE, JOHN K E-Mail:	OVIOUVE0-174180-37579.1
MS. Rebecca Hensel Company	3154363605	John.Schove@et.eurofinsus.c	com 200 Page: Page: Com 200 Page: Pa
ARCADIS U.S. Inc	PWSID:		malvsis Reminester
Address One Lincoln Center 110 West Fayette St, Suite 300	Due Date Requested:		Preservation Codes:
City. Syracuse	TAT Requested (days):		A - HCL M - Hexane
Stale, Zip: NY, 13202	Compliance Project: A Yes A No	Ş	C - ZA Acetate O - AsNaO2 C - ZA Acetate O - AsNaO2 D - Nitric Acid D - Na2SO45
Phone: 315-446-9120(Tel)	PO#: 30120984		E - NehSO4 F - MeCOH G - Amobion S - H2SO4
Email: rebecca.hensel@arcadis-us.com	WO#:	0) 00	H - Ascorbic Acid T - TSP Dodecahydrate
Project Name: SMC Maestri Site	Project #: 48025201	səuəj, N-20 sə Sə) i	V - PH 4-5
Site	SSOW#:	(X - 1.4	2 - other (specify)
Samula Idantification	Samp Type Sample (C=cor	Pie Matrix (www.e., second. appleter 62 appleter 62 ap	480-198348 Chain of Custody
	Sample Date Time G=gra	tb) BT=Tissue, A=Ar) L & & &	P P P Special Instructions/Note:
RW-3	9 LIBI 22/h2/S	Water , , , 2	
RW-5	5125122 605 6	Water M 1/ 3	
RW-6	5/25/22 1115 6	Water 2	
RW-7	S/24/22 1755 C	Water w 3	
RW-8	5/25/22 5852 6	Water V V 3	
MW-2A	5/24/22 1500 6	Water NY3	
MW-9	5/24/22 1450 G	Water WN 3	
PZ-20	5/25/22 1343 G	Water N V 3	
PZ-21	5/25/27 1108 6	Water W/3	
(ms (m-2a)	5/24/22 1500 6	Water WW 3	
MSD (MU-2 A)	5/24/22 1500 6	Water N A 3	
Non-Hazard Cemunication	oison B Duknown Radiolo	Sample Disposal (A	a fee may be assessed if samples are retained longer than 1 month)
Deliverable Requested: I, II, II, IV, Other (specify)	Ś	Special Instructions/C	Accine For Months
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Deline and a second sec	Date/Time: 5/25/22 //632	Company Received by	Date Timp > 5 / > 1/ 3 / 00many 5 /
reminiquisment by KELIAII	Strine: 5'8'22, Fuz	Company Becgived by	all Date The 1016 L
Kelinquished by:	Date/Time:	Company Received by:	Date/Ame.
Custody Seals Intact: Custody Seal No∴ ∆ Yes ∆ No		Cooler Temperature(s	s) °C and Other Remarks
			Ver: 06/08/2021

9

Eurofins Buffalo	10 Hazelwood Drive	Amherst, NY 14228-2298	Phone: 716-691-2600 Fax: 716-691-7991
	-	∢	<u>с</u> [

Chain of Custody Record

🐝 eurofins Environment Testing America

Camer Carting Mich. Co. No:	State of Origin: Page:	et euroinsus.com	Analysis Requested	Preservation Codes:	A - HCL M - Hexane B - NaOH	C - Zn Acetate P - Assnauz	F - Marcol R - H2SO3	H - Ascorbic Acid T - TSP Dodecartydrate	I J- DI Water W- IN-000	2 - other (specify)	al Number of	P P Special Instructions/Note:											Pisposal (A fee may be assessed if samples are retained longer than 1 month)	Instructions/QC Requirements:	Method of Shipment:	Deveryon Range Range Range	eived by: Date/Time: Date/Time: Company	eived by: Date/Time: Company	ler Temperature(s) °C and Other Remarks.
Lab PM: School John D	E-Mail:	VSID: JOHN SCHOVE@EL.				\$		(on Jo	Guez (Ace of	elqms	Sample Matrix Matrix Sample Comp. C=comp. C=co	פֿרַדואַנער אַראַרן װער אַראַרן אַראַראַן אַראַן אַראַן אַראַן אַראַן אַראַן אַראַן אַראַן אַראַן אַראַן אַראַ Preservation Code: אַראַראַ	G Water	Water Water	6 Water 22	- Water WY Z	- Water W/Z	2					dioloaical	Special In	Time:	2 Company Received	Company. Receive	Company	Cooler
Sampler:	Phone:		Due Date Requested:	-	TAT Requested (days):	Compliance Project: A Yes A	PO#: 30120984	"#OM	Project #: 48025201	SSOW#:	Sample	Sample Date Time (S 24 22 -	C/20/22 1920	5/22 1435	1	1						Poison B Unknown Ra		Date:	Date/Time: 5/25/22 //63	Date/Time: 5-25-22, 19.	Date/Time:	
Client Information	Client Contact: Ms. Rebecca Hensel	Company: ARCADIS U.S. Inc	Address:	One Lincoln Center 110 West Fayette St, Suite 300	Syracuse	State, Zip: NY, 13202	Phone: 315-446-9120(Tel)	Email: rebecca.hensel@arcadis-us.com	Project Name: SMC Maestri Site	Site:			^{BD_(} 652422)	FB_(052422)	FB_(<i>O S 2 S 2</i> ک ک	^{TB_} (0 <i>S</i> 24 <i>2</i> 2)	TB_(052522)			L	and a state of the	Booolikin Hanned Lid all	Non-Hazard Clemmable Skin Irritant	Ueliverable Requested: I, II, IV, Other (specify)	Empty Kit Relinquished by:	reinguiser by Mut	remindusing by R. C. Li g (1, L		<pre>Custooy seals intact: Custooy seal No.:</pre>

Client: ARCADIS U.S. Inc

Login Number: 198348 List Number: 1 Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

List Source: Eurofins Buffalo



Data Validation Reports



SMC Maestri Site

Data Usability Summary Report

Geddes, New York

Volatile Organic Compound (VOC) Analyses

SDG # 480-198348-1

Analyses Performed By: Eurofins TestAmerica Buffalo, New York

Report #46010R Review Level: Tier III Project: 30120984.02

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) #480-198348-1 for samples collected in association with the SMC Maestri site located in Geddes, NY. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lob ID	Motrix	Sample	Parent		4	nalysi	S	
Number			Matrix	Date	Sample	voc	SVOC	РСВ	MET	MISC
	RW-3	480-198348-1	Water	5/24/2022		х				
	RW-5	480-198348-2	Water	5/25/2022		Х				
	RW-6	480-198348-3	Water	5/25/2022		Х				
490 109349 1	RW-7	480-198348-4	Water	5/24/2022		Х				
	RW-8	480-198348-5	Water	5/25/2022		Х				
	MW-2A	480-198348-6	Water	5/24/2022		Х				
	MW-9	480-198348-7	Water	5/24/2022		Х				
-00-1303-0-1	PZ-20	480-198348-8	Water	5/25/2022		Х				
	PZ-21	480-198348-9	Water	5/25/2022		Х				
	BD_(052422)	480-198348-10	Water	5/24/2022	MW-9	Х				
	FB_(052422)	480-198348-11	Water	5/24/2022		Х				
	FB_(052522)	480-198348-12	Water	5/24/2022		Х				
	TB_(052422)	480-198348-13	Water	5/25/2022		Х				
	TB_(022522)	480-198348-14	Water	5/25/2022		Х				

Note:

1. The matrix spike/matrix spike duplicate (MS/MSD) analysis was performed on sample locations MW-2A and MW-9.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Rep	orted	Perfor Acce	mance otable	Not
	No	Yes	No	Yes	Required
1. Sample receipt condition		X		Х	
2. Requested analyses and sample results		Х		Х	
3. Master tracking list		Х		Х	
4. Methods of analysis		Х		Х	
5. Reporting limits		Х		Х	
6. Sample collection date		Х		Х	
7. Laboratory sample received date		Х		Х	
8. Sample preservation verification (as applicable)		Х		Х	
9. Sample preparation/extraction/analysis dates		Х		Х	
10. Fully executed chain-of-custody form		Х		Х	
11. Narrative summary of QA or sample problems provided		Х		Х	
12. Data package completeness and compliance		Х		Х	

Note:

QA Quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) Method 624.1 (Xylenes, Total only). Data were reviewed in accordance with the USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate and USEPA Region II validation guidelines *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B* (SOP #HW-24, October 2006).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
EPA 624.1	Water	14 days from collection to analysis (preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:

```
s.u. Standard units
```

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 24-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (35%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) within the EPA Method 624 Table 5 limits.

All compounds associated with the initial and continuing calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
MW-2A	Xylenes, Total	>UL	>UL

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (LIL)	Non-detect	No Action
	Detect	J
< the lower control limit (11) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking	Detect	No Action
solution concentration.	Non-detect	

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW-9 / BD_(052422)	Xylenes, Total	640	620	3.2%

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

The laboratory noted: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: RW-3 (480-198348-1) and RW-6 (480-198348-3). Elevated reporting limits (RLs) are provided.

The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2A(480-198348-6), MW-9(480-198348-7), BD_(052422) (480-198348-10). Elevated reporting limits (RLs) are provided.

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: EPA 624.1	Re	ported	Perfo Acce	rmance ptable	Not Required	
	No	Yes	No	Yes	Nequireu	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY	(GC/MS)					
Tier II Validation						
Holding times		Х		Х		
Reporting limits (units)		х		Х		
Blanks		1			1	
A. Method blanks		Х		Х		
B. Equipment blanks		х		Х		
C. Trip blanks		Х		Х		
Laboratory Control Sample (LCS)		Х		Х		
Laboratory Control Sample Duplicate (LCSD)	Х				Х	
LCS/LCSD Precision (RPD)	Х				Х	
Matrix Spike (MS)		Х	Х			
Matrix Spike Duplicate (MSD)		Х	Х			
MS/MSD Precision (RPD)		Х		Х		
Field/Lab Duplicate (RPD)		Х		Х		
Surrogate Spike %R		Х		Х		
Dilution Factor		Х		Х		
Moisture Content					Х	
Tier III Validation						
System performance and column resolution		Х		Х		
Initial calibration %RSDs		Х		Х		
Continuing calibration RRFs		Х		X		
Continuing calibration %Ds		Х		X		
Instrument tune and performance check		Х		Х		

VOCs: EPA 624.1	Rep	orted	Perfoi Acce	mance ptable	Not Required
	No	Yes	No	Yes	Roquirou
GAS CHROMATOGRAPHY/MASS SPECTROMETRY	(GC/MS)				
lon abundance criteria for each instrument used		Х		Х	
Internal standard		Х		Х	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		Х	
B. Quantitation Reports		Х		Х	
C. RT of sample compounds within the established RT windows		Х		Х	
D. Transcription/calculation errors present		Х		Х	
E. Reporting limits adjusted to reflect sample dilutions		Х		х	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference Data Usability Summary Report

Sample Compliance Report

SAMPLE COMPLIANCE REPORT

Noncilamotori							VOC: MS/MSD %Recovery								
	MISC	ł	ı	ı	1	1	1	1	1	1	1	1	1	1	I
ancy ¹	PFAS	1	1	1	ł	ł	ł	ł	1	1	1	1	ł	1	1
Compli	SVOC	:	I	I	1	1	1	1	1	1	1	1	1	1	:
	voc	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
	Sample ID	RW-3	RW-5	RW-6	RW-7	RW-8	MW-2A	MW-9	PZ-20	PZ-21	BD_(052422)	FB_(052422)	FB_(052522)	TB_(052422)	TB_(022522)
	Protocol						EPA 624.1								
Sampling	Date	5/24/2022	5/25/2022	5/25/2022	5/24/2022	5/25/2022	5/24/2022	5/24/2022	5/25/2022	5/25/2022	5/24/2022	5/24/2022	5/24/2022	5/25/2022	5/25/2022
Sample	Delivery Group (SDG)						480-198348-1								

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Joseph C. Houser

SIGNATURE:

Jough c. Honne

DATE: July 20, 2022

PEER REVIEW: Andrew Korycinski

DATE: July 20, 2022

arcadis.com 46010r_sdg 480-198348-1rev Chain of Custody Corrected Sample Analysis Data Sheets

Client Sample ID: RW-3 Date Collected: 05/24/22 18:17 Date Received: 05/26/22 10:00

Method: 624.1 - V	olatile Organic Compounds (GC/	′MS)		
Analyte	Result Qualifier	RL	MDL	Uni

Xylenes, Total	4.3 U	40	4.3 ug/L		05/26/22 20:52	4
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	68-130			05/26/22 20:52	4
4-Bromofluorobenzene (Surr)	100	76 - 123			05/26/22 20:52	4
Dibromofluoromethane (Surr)	103	75 - 123			05/26/22 20:52	4
Toluene-d8 (Surr)	102	77-120			05/26/22 20:52	4

Client Sample ID: RW-5 Date Collected: 05/25/22 09:05

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1	ug/L		-	05/26/22 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		68 - 130					05/26/22 21:16	1
4-Bromofluorobenzene (Surr)	99		76 _ 123					05/26/22 21:16	1
Dibromofluoromethane (Surr)	101		75 - 123					05/26/22 21:16	1
Toluene-d8 (Surr)	100		77-120					05/26/22 21:16	1

Client Sample ID: RW-6

Date Collected: 05/25/22 11:15

Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 20 05/26/22 21:39 **Xylenes**, Total 2.8 J 2.2 ug/L 2 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 68 - 130 1,2-Dichloroethane-d4 (Surr) 104 05/26/22 21:39 2 4-Bromofluorobenzene (Surr) 101 76-123 05/26/22 21:39 2 Dibromofluoromethane (Surr) 103 75-123 05/26/22 21:39 2 Toluene-d8 (Surr) 2 100 77-120 05/26/22 21:39

Client Sample ID: RW-7 Date Collected: 05/24/22 17:55

Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1	ug/L			05/26/22 22:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130			-		05/26/22 22:03	1
4-Bromofluorobenzene (Surr)	102		76 - 123					05/26/22 22:03	1
Dibromofluoromethane (Surr)	104		75 - 123					05/26/22 22:03	1
Toluene-d8 (Surr)	100		77 - 120					05/26/22 22:03	1

Eurofins Buffalo

6

Lab Sample ID: 480-198348-2

Lab Sample ID: 480-198348-1

D

Prepared

Matrix: Water

Job ID: 480-198348-1

Analyzed

Matrix: Water

Dil Fac

7/14/2022 (Rev. 1)

Lab Sample ID: 480-198348-3

Lab Sample ID: 480-198348-4

Matrix: Water

Matrix: Water

Date Received: 05/26/22 10:00

RL

10

Limits

68 - 130

76 - 123

75-123

77-120

MDL Unit

1.1 ug/L

D

Prepared

Prepared

Client Sample ID: RW-8 Date Collected: 05/25/22 08:52 Date Received: 05/26/22 10:00

Analyte

Xylenes, Total

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: MW-2A

Date Collected: 05/24/22 15:00

Date Received: 05/26/22 10:00

Surrogate

Lab Sample ID: 480-198348-5

Analyzed

05/26/22 22:27

Analyzed

05/26/22 22:27

05/26/22 22:27

05/26/22 22:27

05/26/22 22:27

Matrix: Water

Dil Fac

Dil Fac

1

1

1

1

1

Lab Sample ID: 480-198348-6 Matrix: Water

Matrix: water

____1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Result Qualifier

1.1 U

%Recovery Qualifier

102

99

100

99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	420	F1 J	40	4.3 u	ug/L			05/26/22 22:52	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130					05/26/22 22:52	4
4-Bromofluorobenzene (Surr)	99		76 - 123					05/26/22 22:52	4
Dibromofluoromethane (Surr)	101		75 - 123					05/26/22 22:52	4
Toluene-d8 (Surr)	99		77-120					05/26/22 22:52	4

Client Sample ID: MW-9

Date Collected: 05/24/22 14:50

Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	640	F1	80	8.6	ug/L			05/27/22 17:04	8
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 130					05/27/22 17:04	8
4-Bromofluorobenzene (Surr)	101		76 _ 123					05/27/22 17:04	8
Dibromofluoromethane (Surr)	102		75 _ 123					05/27/22 17:04	8
Toluene-d8 (Surr)	101		77 - 120					05/27/22 17:04	8

Client Sample ID: PZ-20 Date Collected: 05/25/22 13:43

Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1 ug/L		-	05/26/22 23:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		68 - 130				05/26/22 23:40	1
4-Bromofluorobenzene (Surr)	100		76 - 123				05/26/22 23:40	1
Dibromofluoromethane (Surr)	104		75 _ 123				05/26/22 23:40	1
Toluene-d8 (Surr)	101		77-120				05/26/22 23:40	1

Eurofins Buffalo

Lab Sample ID: 480-198348-7

Lab Sample ID: 480-198348-8

Matrix: Water

Matrix: Water

Client Sample ID: PZ-21 Date Collected: 05/25/22 11:08 Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Or	ganic Compou	nds (GC/MS))			
Analyte	Result	Qualifier	RL	MDL	Unit	D
Xylenes, Total	1.1	U	10	1.1	ug/L	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 130	_	05/27/22 00:04	1
4-Bromofluorobenzene (Surr)	101		76 - 123		05/27/22 00:04	1
Dibromofluoromethane (Surr)	105		75 - 123		05/27/22 00:04	1
Toluene-d8 (Surr)	100		77 - 120		05/27/22 00:04	1

Client Sample ID: BD_(052422) Date Collected: 05/24/22 00:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	620		80	8.6	ug/L			05/27/22 17:28	8
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		68 - 130					05/27/22 17:28	8
4-Bromofluorobenzene (Surr)	100		76 - 123					05/27/22 17:28	8
Dibromofluoromethane (Surr)	105		75 - 123					05/27/22 17:28	8
Toluene-d8 (Surr)	100		77 - 120					05/27/22 17:28	8

Client Sample ID: FB (052422) Date Collected: 05/24/22 19:35 Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Xylenes, Total 1.1 U 10 05/27/22 17:52 1.1 ug/L Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 68 - 130 1,2-Dichloroethane-d4 (Surr) 104 05/27/22 17:52 4-Bromofluorobenzene (Surr) 100 76-123 05/27/22 17:52 Dibromofluoromethane (Surr) 102 75-123 05/27/22 17:52 Toluene-d8 (Surr) 100 77-120 05/27/22 17:52

Client Sample ID: FB (052522) Date Collected: 05/24/22 14:35 Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1 ug/L			05/27/22 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130				05/27/22 18:16	1
4-Bromofluorobenzene (Surr)	99		76 - 123				05/27/22 18:16	1
Dibromofluoromethane (Surr)	102		75 - 123				05/27/22 18:16	1
Toluene-d8 (Surr)	100		77 - 120				05/27/22 18:16	1

Lab Sample ID: 480-198348-9

Lab Sample ID: 480-198348-10

Prepared

Analyzed

05/27/22 00:04

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

1

1

1

1

1

Dil Fac

1

Job ID: 480-198348-1

Lab Sample ID: 480-198348-11

Lab Sample ID: 480-198348-12

Date Received: 05/26/22 10:00

Client Sample ID: TB_(052422) Date Collected: 05/25/22 00:00 Date Received: 05/26/22 10:00

Analyzed

Lab Sample ID: 480-198348-13

Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS) Result Qualifier Analyte RL

Xylenes, Total	1.1	U	10	1.1 ug/L		05/27/22 18:40	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		68 - 130			05/27/22 18:40	1
4-Bromofluorobenzene (Surr)	100		76 - 123			05/27/22 18:40	1
Dibromofluoromethane (Surr)	103		75 - 123			05/27/22 18:40	1
Toluene-d8 (Surr)	101		77 - 120			05/27/22 18:40	1

MDL Unit

D

Prepared

Client Sample ID: TB_(022522) Date Collected: 05/25/22 00:00 Date Received: 05/26/22 10:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.1	U	10	1.1	ug/L			05/27/22 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 130					05/27/22 19:04	1
4-Bromofluorobenzene (Surr)	100		76 - 123					05/27/22 19:04	1
Dibromofluoromethane (Surr)	102		75 - 123					05/27/22 19:04	1
Toluene-d8 (Surr)	101		77 _ 120					05/27/22 19:04	1

Dil Fac 6 Lab Sample ID: 480-198348-14 Matrix: Water

ffalo	ē
Bul	od Driv
fins	elwoo
inro	0 Haz

Chain of Custody Record

🐝 eurofins America

Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991	Chain of Cl	ustody Record	Curronment Testing America
Client Information	Sampler.	Lab PM: Schore John D	Carrier Later of March Cor No:
Client Contact:	Phone:	SCHOVE, JOHN K	CVI ACUS 60-174180-37579.1
MS. Rebecca Hensel Company	3154363605	John.Schove@et.eurofinsus.co	m Alate of Ungin: Page: Page: 07
ARCADIS U.S. Inc	PWSID:	An	alvsis Reminested
Address One Lincoln Center 110 West Fayette St, Suite 300	Due Date Requested:		Preservation Codes:
City. Syracuse	TAT Requested (days):		A - HCL M - Hexane R - NaOH N - None
State, Zip: NY, 13202	Compliance Project: A Yes A No	S	C - Tacking O - AsNaO2 C - Tacking O - AsNaO2 D - Nitric Acid O - Na2C45
Phone: 315-446-9120(Tel)	PO#: 30120984		F - NaHSO4 R - NAESO3 F - MeDOH R - NESSO3 G - Ametion S - H2SO4
Email: rebecca.hensel@arcadis-us.com	WO#:	0 I NO	H - Ascorbic Acid T - 15P Dodecanydrate
Project Name: SMC Maestri Site	Project #: 48025201	səuəji SəX) (W - PH 4-5
Site	SSOW#:	ythe second s	2 - Other (specify)
Samula Identification	Sample (C=con	The matrix	480-198348 Chain of Custody
	Sample Date Time G=gra	b) BT-TIssue, A-Air) 🗹 🛣 🕉	P Special Instructions/Note:
RW-3	9 LIBI 22/h2/S	Water 1, 3	
RW-5	5125122 6905 6	Water W 1/ 3	
RW-6	5/25/22 1115 6	Water 3	
RW-7	S/24/22 1755 C	Water N N 3	
RW-8	5/25/22 0852 6	Water V > 3	
MW-2A	5/24/22 1500 6	Water NY3	
9-MM	5/24/22 1450 G	Water W N 3	
P2-20	5/25/22 1343 G	Water N V 3	
PZ-21	5/25/27 1108 6	Water VV3	
(wz-m) SM	5/24/22 1500 6	Water WW 3	
MSD (NU-2A)	5/24/22 1500 6	Water N N 3	
Non-Hazard Brammable Skin Initant Doi	oison B Duknown Radioloc	Sample Disposal (A f	ee may be assessed if samples are retained longer than 1 month)
Deliverable Requested: I, II, II, IV, Other (specify)	5	Special Instructions/QC	Croposal by Lab Archive For Months
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment
Main and and and and and and and and and an	Date/Time: 5/25/26 //632	Company Received by	Date Gring > C > K 3 Scottean < V.
reminister by KELIGII A	DateTime: 5.6.22, Fod	Company Becaived by A	16 Data Time Conpany Company
A characteria by:	Date/Time:	Company Received by:	Date Time: Company
Custody Seals Intact: Custody Seal No∴ △ Yes △ No		Cooler Temperature(s) °	C and Other Remarks:
			Ver: 06/08/2021

9
Chain of Custody Record

📸 eurofins Environment Testing America

rione: / Io-os1-2600 Fax: /16-691-/991 Client Information	Sampler.	13 13 13 13	Lab PM Schove,	John R	Carrie	C No:		
Client Contact: MS. Rebecca Hensel	Phone: JISURE TC	Y	E-Mail:		State of Origin:	Page:	2.6/6/2/9.2	T
Company: ARCADIS U.S. Inc		PWSID:			÷55#	Page 2 o	12	
Address: One Lincoln Center 110 West Fayette St, Suite 300	Due Date Requested:				nation of the second se	Preservat	tion Codes:	Τ
city: Syracuse	TAT Requested (days):		Τ			A - HCL B - NaOH	M - Hexane N - None	
State, Zip: NY, 13202	Standad Compliance Project: ∆ Yes	^ No	Τ			C - Zh Ace D - Nitric A	tate U - Asna02 cid P - Na204S C - Na2203	
Phone: 315-446-9120(Tel)	PO#: 30120984		Ī			F - NaHSU F - MeOH G - Amchic	M R - Na2S203 S - H2S04	
Email: rebecca.hensel@arcadis-us.com	:#OM		or No			H - Ascorbi I - Ice	ic Acid 1 - 1 SP Dodeca U - Acetone V - MCAA	nydrate
Project Name: SMC Maestri Site	Project #: 48025201		(Yes	səuəl		iners K - EDTA L - EDA	er W - pH 4-5 Y - Trizma	
Site:	SSOW#:		elqma	φ¥)(GS		t conta fi	Z - other (specify	~
	Samole	Sample Type (C=romo	Matrix (www.ter, s=solid. d Filtered S	и. 29 - 23 - 62 М/SM шбо		Vumber o		
Sample Identification	Sample Date Time	G=grab) BT	Tissue, A-Air)	- 729 - 624-		IstoT V	ecial Instructions/No	te:
^{BD_(} 652422)	- leulas	LIESEIVAIIO	Water			X		
FB_(052421)	-101 22/12/2	D	Water N	2				
FB_(052522)	212 12 12 12 12 22 12 22 22 22 22 22 22	0 1	Water					
^{TB_} (6 <i>S</i> 24 <i>2</i> 2))	Water) N				
TB_(052552))	Water	2/2				
				2				
								T
274								
11/2								
and a state of the								
0-41 I								
Possible Hazard Identification	son B Unknown	Radioloaical		Sample Disposal (A fee may l	e assessed if samples are i	etained longer	than 1 month)	
Deliverable Requested: 1, 11, 11, 1V, Other (specify)				Special Instructions/QC Require	uispusar by Lau ments:	Archive For	Months	
Empty Kit Relinquished by:	Date:		<u>L</u>	le:	Method of Shipment:			Τ
Reindumento Dy: Lund	SISSIZE 116	32	Pred:s	Received by	Datetime	5 177	Superior C2 /	
Relinnisched bur Kitch (1, 4	Date/Time: 5-25-25	gu Cor	< Standar	Received by:	Date/Time:		Company	Ι
rumquantu uy. Preterder Retroit - [Cristedu Soal Ma	Date/Time:	Ğ	npany	Received by:	Date/Time:		Company	Τ
dustody sears intract: Δ Yes Δ No				Cooler Temperature(s) °C and Othe	r Remarks:		-	Τ
							Ver: 06/08/20	



Total Xylene and Groundwater Elevation Trend Graphs









Arcadis of New York, Inc. One Lincoln Center, 110 West Fayette Street, Suite 300 Syracuse New York 13202 Phone: 315 446 9120 Fax: 315 449 0017 www.arcadis.com